

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Spring 2017 Levee Inspection Results**

**Sacramento River West Side Levee District**

|                                  | Spring<br>(March - May) | Summer **<br>(June - August) | Fall<br>(September - November) | Winter **<br>(December - February) |
|----------------------------------|-------------------------|------------------------------|--------------------------------|------------------------------------|
| † Overall LMA Rating (Fall Only) |                         |                              |                                |                                    |

\*\* Non-receipt of Summer or Winter Inspection  
Reports may effect overall annual rating.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2017 Levee Inspection Results**

**Sacramento River West Side Levee District**

| Waterway                               |                         |                           | Bank                           | Unit Miles                      |
|--|-------------------------|---------------------------|--------------------------------|---------------------------------|
| Unit No. 01 Sacramento River           |                         |                           | Right                          | 49.64                           |
|  | Spring<br>(March - May) | Summer<br>(June - August) | (September - November)<br>Fall | Winter<br>(December - February) |
| Unit Maintenance Rating<br>(Fall Only) |                         |                           |                                |                                 |
| Date of Inspection                     | 3/21/2017 - 3/22/2017   |                           |                                |                                 |
| DWR Inspector                          | Zach Jojola             |                           |                                |                                 |
| Accompanied By                         | Gary Marler<br>RD0108   |                           |                                |                                 |

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                     |                                  |              |                        |            |     |
|-------------------------------------|----------------------------------|--------------|------------------------|------------|-----|
| LM Start                            |                                  | Rating **    | A                      | Issue No.  | 27  |
| LM End                              |                                  | Issue Type + | Ma                     | Location * | N/A |
| Category                            | Earthen Levee                    |              | GPS Latitude/Longitude |            |     |
|                                     |                                  |              | Start                  | End        |     |
| Item                                | Operations & Maintenance Manuals |              |                        |            |     |
| DWR ID                              | DWR_NA0016_01_s _ 2013_27        |              |                        |            |     |
| Comment Code                        |                                  |              |                        |            |     |
| Inspector Comment                   |                                  |              |                        |            |     |
| District has the levee O&M manuals. |                                  |              |                        |            |     |

No Photos

|  |                                |              |                        |            |     |
|--|--------------------------------|--------------|------------------------|------------|-----|
| LM Start   |                                | Rating **    | A                      | Issue No.  | 28  |
| LM End   |                                | Issue Type + | Ma                     | Location * | N/A |
| Category   | Earthen Levee                  |              | GPS Latitude/Longitude |            |     |
|  |                                |              | Start                  | End        |     |
| Item   | Emergency Supplies & Equipment |              |                        |            |     |
| DWR ID   | DWR_NA0016_01_s _ 2013_28      |              |                        |            |     |
| Comment Code   |                                |              |                        |            |     |
| Inspector Comment  |                                |              |                        |            |     |
| District maintains a stockpile of flood response material. |                                |              |                        |            |     |

No Photos

|  |                               |              |                        |            |     |
|--|-------------------------------|--------------|------------------------|------------|-----|
| LM Start   |                               | Rating **    | A                      | Issue No.  | 35  |
| LM End   |                               | Issue Type + | Ma                     | Location * | N/A |
| Category   | Earthen Levee                 |              | GPS Latitude/Longitude |            |     |
|  |                               |              | Start                  | End        |     |
| Item   | Flood Preparedness & Training |              |                        |            |     |
| DWR ID   | DWR_NA0016_01_s _ 2013_35     |              |                        |            |     |
| Comment Code   |                               |              |                        |            |     |
| Inspector Comment  |                               |              |                        |            |     |
| District has flood response plans and maintains flood response training. |                               |              |                        |            |     |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.08                     | Rating **    | M  | Issue No.              | 104           |
| LM End  | 0.25                     | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Trim / Thin Trees        |              |    | 38.800642 °            | 38.802413 °   |
|   |                          |              |    | -121.724723 °          | -121.724317 ° |
| DWR ID  | DWR_NA0016_01_s_2016_104 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
|   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_104\_20170320\_00052.jpg



View of the tree branches on the waterward side of the levee looking upstream. Spring 2016.

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.14                        | Rating **    | M  | Issue No.              | 1551          |
| LM End   | 0.14                        | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.801471 °            | 38.801471 °   |
|  |                             |              |    | -121.725171 °          | -121.725171 ° |
| DWR ID   |                             |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:10087  |                             |              |    |                        |               |
| DS_ID:20224  |                             |              |    |                        |               |
| EP_NO: N/A   |                             |              |    |                        |               |
| Repair Type: Non-Urgent  |                             |              |    |                        |               |
| Crossing Status: Found   |                             |              |    |                        |               |
| UCIP Comments: Headwall on WS undermined about 3-4-feet.   |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 1 of 3: 36-inch steel drainage pipe through levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pumphouse with walkway on LS toe. Originally included in the 1960 O&M manual. |                             |              |    |                        |               |
| FS Date: 3/12/2013   |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10087\_17235.jpg



Pumphouse at LS toe.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|          |                             |              |    |                        |               |
|----------|-----------------------------|--------------|----|------------------------|---------------|
| LM Start | 0.14                        | Rating **    | M  | Issue No.              | 1551 (cont)   |
| LM End   | 0.14                        | Issue Type + | Ma | Location *             | WS            |
| Category | Supplemental                |              |    | GPS Latitude/Longitude |               |
|          |                             |              |    | Start                  | End           |
| Item     | DWR UCIP LMA Responsibility |              |    | 38.801471 °            | 38.801471 °   |
|          |                             |              |    | -121.725171 °          | -121.725171 ° |
| DWR ID   |                             |              |    |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:10087  
DS\_ID:20224  
EP\_NO: N/A  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Headwall on WS undermined about 3-4-feet.  
FIELD\_STRUCT\_DESC: 1 of 3: 36-inch steel drainage pipe through levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pumphouse with walkway on LS toe. Originally included in the 1960 O&M manual.  
FS Date: 3/12/2013

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>0.14</b> | Rating **    | M  | Issue No.  | <b>1551 (cont)</b> |
| LM End   | <b>0.14</b> | Issue Type + | Ma | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10087\_17234.jpg



Air vents at outlet on WS toe.

Photo 3 of 3 : UCIP\_SP\_2017\_10087\_17233.jpg



Slide gates at pumphouse on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.14                        | Rating **    | M  | Issue No.              | 1552          |
| LM End   | 0.14                        | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.801479 °            | 38.801479 °   |
|  |                             |              |    | -121.725176 °          | -121.725176 ° |
| DWR ID   |                             |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:10085  |                             |              |    |                        |               |
| DS_ID:20356  |                             |              |    |                        |               |
| EP_NO: N/A   |                             |              |    |                        |               |
| Repair Type: Non-Urgent  |                             |              |    |                        |               |
| Crossing Status: Found   |                             |              |    |                        |               |
| UCIP Comments: Headwall undermined 3-4-feet on WS toe.               |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through       |                             |              |    |                        |               |
| levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch |                             |              |    |                        |               |
| pipe sleeved through the 36-inch pipe. Annular space between pipes   |                             |              |    |                        |               |
| grouted. Pumps in pumphouse with walkway on LS toe. Originally       |                             |              |    |                        |               |
| included in the 1960 O&M manual.                                     |                             |              |    |                        |               |
| FS Date: 3/12/2013   |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10085\_17227.jpg



Pump house on LS toe.

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>0.14</b> | Rating **    | M  | Issue No.  | <b>1552 (cont)</b> |
| LM End   | <b>0.14</b> | Issue Type + | Ma | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10085\_17226.jpg



Air vents on pipes at WS toe.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.14                        | Rating **    | M  | Issue No.              | 1552 (cont)   |
| LM End   | 0.14                        | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.801479 °            | 38.801479 °   |
|  |                             |              |    | -121.725176 °          | -121.725176 ° |
| DWR ID   |                             |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:10085  |                             |              |    |                        |               |
| DS_ID:20356  |                             |              |    |                        |               |
| EP_NO: N/A   |                             |              |    |                        |               |
| Repair Type: Non-Urgent  |                             |              |    |                        |               |
| Crossing Status: Found   |                             |              |    |                        |               |
| UCIP Comments: Headwall undermined 3-4-feet on WS toe.               |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 2 of 3: 36-inch steel drainage pipe through       |                             |              |    |                        |               |
| levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch |                             |              |    |                        |               |
| pipe sleeved through the 36-inch pipe. Annular space between pipes   |                             |              |    |                        |               |
| grouted. Pumps in pumphouse with walkway on LS toe. Originally       |                             |              |    |                        |               |
| included in the 1960 O&M manual.                                     |                             |              |    |                        |               |
| FS Date: 3/12/2013   |                             |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10085\_17225.jpg



Slide gates at pumphouse on LS toe.

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.14                        | Rating **    | M  | Issue No.              | 1553          |
| LM End   | 0.14                        | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.801491 °            | 38.801491 °   |
|  |                             |              |    | -121.725184 °          | -121.725184 ° |
| DWR ID   |                             |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:10910  |                             |              |    |                        |               |
| DS_ID:20357  |                             |              |    |                        |               |
| EP_NO: N/A   |                             |              |    |                        |               |
| Repair Type: Non-Urgent  |                             |              |    |                        |               |
| Crossing Status: Found   |                             |              |    |                        |               |
| UCIP Comments: Headwall undermined 3-4-feet on WS toe.   |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch pipe sleeved through the 36-inch pipe. Annular space between pipes grouted. Pumps in pumphouse with walkway on LS toe. Originally included in the 1960 O&M manual. |                             |              |    |                        |               |
| FS Date: 3/12/2013   |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10910\_18185.jpg



Pumphouse on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |    |                        |             |               |
|--|-----------------------------|--------------|----|------------------------|-------------|---------------|
| LM Start   | 0.14                        | Rating **    | M  | Issue No.              | 1553 (cont) |               |
| LM End   | 0.14                        | Issue Type + | Ma | Location *             | WS          |               |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |             |               |
|  |                             |              |    | Start                  |             | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 38.801491 °            |             | 38.801491 °   |
|  |                             |              |    | -121.725184 °          |             | -121.725184 ° |
| DWR ID   |                             |              |    |                        |             |               |
| Comment Code   |                             |              |    |                        |             |               |
|  |                             |              |    |                        |             |               |
| Inspector Comment  |                             |              |    |                        |             |               |
| FS_ID:10910  |                             |              |    |                        |             |               |
| DS_ID:20357  |                             |              |    |                        |             |               |
| EP_NO: N/A   |                             |              |    |                        |             |               |
| Repair Type: Non-Urgent  |                             |              |    |                        |             |               |
| Crossing Status: Found   |                             |              |    |                        |             |               |
| UCIP Comments: Headwall undermined 3-4-feet on WS toe.               |                             |              |    |                        |             |               |
| FIELD_STRUCT_DESC: 3 of 3: 36-inch steel drainage pipe through       |                             |              |    |                        |             |               |
| levee 30.0 feet below crown. Flap gate on the waterward end. 24-inch |                             |              |    |                        |             |               |
| pipe sleeved through the 36-inch pipe. Annular space between pipes   |                             |              |    |                        |             |               |
| grouted. Pumps in pumphouse with walkway on LS toe. Originally       |                             |              |    |                        |             |               |
| included in the 1960 O&M manual.                                     |                             |              |    |                        |             |               |
| FS Date: 3/12/2013   |                             |              |    |                        |             |               |

Photo 2 of 3 : UCIP\_SP\_2017\_10910\_18184.jpg



Air vents on pipes at WS toe.

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>0.14</b> | Rating **    | M  | Issue No.  | <b>1553 (cont)</b> |
| LM End   | <b>0.14</b> | Issue Type + | Ma | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10910\_18183.jpg



Slide gates at pumphouse on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 0.22                        | Rating **    | A/W | Issue No.              | 1554          |
| LM End   | 0.22                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.802293 °            | 38.802293 °   |
|  |                             |              |     | -121.724847 °          | -121.724847 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10088<br>DS_ID:20327<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: *ABANDONED* 42-inch pipe through levee<br>28.5 feet below crown. Abandoned in place by plugging with concrete.<br>Headwall on WS toe.Originally included in the 1960 O&M manual.<br>FS Date: 3/12/2013 |                             |              |     |                        |               |

Photo 1 of 1 : UCIP\_SP\_2017\_10088\_17237.jpg



Concrete headwall visible on WS toe.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 0.34                     | Rating **    | M  | Issue No.              | 203           |
| LM End   | 3.27                     | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.803540 °            | 38.842909 °   |
|  |                          |              |    | -121.724194 °          | -121.728861 ° |
| DWR ID   | DWR_NA0016_01_s_2017_203 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|  |  |  |  |   |   |
|--|--|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                            |              |                        |               |            |
|--|----------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>0.34</b>                | Rating **    | M                      | Issue No.     | <b>202</b> |
| LM End   | <b>2.28</b>                | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee              |              | GPS Latitude/Longitude |               |            |
|  |                            |              | Start                  | End           |            |
| Item   | Vegetation                 |              | 38.803546 °            | 38.830847 °   |            |
|  |                            |              | -121.724191 °          | -121.727972 ° |            |
| DWR ID   | DWR_NA0016_01_s _ 2017_202 |              |                        |               |            |
| Comment Code   |                            |              |                        |               |            |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |                        |               |            |
| Inspector Comment  |                            |              |                        |               |            |
|  |                            |              |                        |               |            |

No Photos

|                   |                            |              |                        |               |            |
|-------------------|----------------------------|--------------|------------------------|---------------|------------|
| LM Start          | <b>0.38</b>                | Rating **    | M                      | Issue No.     | <b>204</b> |
| LM End            | <b>0.38</b>                | Issue Type + | Ma                     | Location *    | WS         |
| Category          | Earthen Levee              |              | GPS Latitude/Longitude |               |            |
|                   |                            |              | Start                  | End           |            |
| Item              | Encroachments              |              | 38.804099 °            | 38.804099 °   |            |
|                   |                            |              | -121.724199 °          | -121.724199 ° |            |
| DWR ID            | DWR_NA0016_01_s _ 2017_204 |              |                        |               |            |
| Comment Code      |                            |              |                        |               |            |
| TR : Tree or limb |                            |              |                        |               |            |
| Inspector Comment |                            |              |                        |               |            |
|                   |                            |              |                        |               |            |

No Photos

|                   |                            |              |                        |               |            |
|-------------------|----------------------------|--------------|------------------------|---------------|------------|
| LM Start          | <b>0.41</b>                | Rating **    | M                      | Issue No.     | <b>205</b> |
| LM End            | <b>0.41</b>                | Issue Type + | Ma                     | Location *    | WS         |
| Category          | Earthen Levee              |              | GPS Latitude/Longitude |               |            |
|                   |                            |              | Start                  | End           |            |
| Item              | Encroachments              |              | 38.804620 °            | 38.804620 °   |            |
|                   |                            |              | -121.724195 °          | -121.724195 ° |            |
| DWR ID            | DWR_NA0016_01_s _ 2017_205 |              |                        |               |            |
| Comment Code      |                            |              |                        |               |            |
| TR : Tree or limb |                            |              |                        |               |            |
| Inspector Comment |                            |              |                        |               |            |
|                   |                            |              |                        |               |            |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.47                 | Rating **    | M  | Issue No.              | 1555          |
| LM End  | 0.47                 | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 38.805353 °            | 38.805353 °   |
|   |                      |              |    | -121.724207 °          | -121.724207 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10103<br>DS_ID:20226<br>EP_NO: 1331<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: There is no gate in the slide gate at the concrete distribution box off the landside toe. This may not be an issue as there is a slide gate at the WS toe.<br>FIELD_STRUCT_DESC: 54-inch corrugated metal irrigation pipe through levee 28.0 feet below crown. Vertical pumps on pile structure in the stream, walkway to pumps. Flap gates from pumps and slide gate inside a 7'X10-foot concrete surge box on the waterward side, 1948 installation. 15'X18-foot concrete distribution box 150-feet off landside toe with slide gate. (Permit No. 1331, 1948). Included in 1960 O&M manual.<br>FS Date: 3/25/2013 7:36:51 AM |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10103\_17262.jpg



Concrete distribution box on 150-feet off landside toe.

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>0.47</b> | Rating **    | M  | Issue No.  | <b>1555 (cont)</b> |
| LM End   | <b>0.47</b> | Issue Type + | En | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10103\_17261.jpg



Pumping plant with concrete surge box and slide gate in foreground-off WS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.47                 | Rating **    | M  | Issue No.              | 1555 (cont)   |
| LM End  | 0.47                 | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 38.805353 °            | 38.805353 °   |
|   |                      |              |    | -121.724207 °          | -121.724207 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10103<br>DS_ID:20226<br>EP_NO: 1331<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: There is no gate in the slide gate at the concrete distribution box off the landside toe. This may not be an issue as there is a slide gate at the WS toe.<br>FIELD_STRUCT_DESC: 54-inch corrugated metal irrigation pipe through levee 28.0 feet below crown. Vertical pumps on pile structure in the stream, walkway to pumps. Flap gates from pumps and slide gate inside a 7'X10-foot concrete surge box on the waterward side, 1948 installation. 15'X18-foot concrete distribution box 150-feet off landside toe with slide gate. (Permit No. 1331, 1948). Included in 1960 O&M manual.<br>FS Date: 3/25/2013 7:36:51 AM |                      |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10103\_17260.jpg



Vents for 3 pipes entering surge box on WS toe.

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 0.52                     | Rating **    | M  | Issue No.              | 206           |
| LM End  | 0.52                     | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Animal Control           |              |    | 38.806211 °            | 38.806211 °   |
|   |                          |              |    | -121.724228 °          | -121.724228 ° |
| DWR ID  | DWR_NA0016_01_s_2017_206 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
| Burrow on waterside levee shoulder.   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_206\_20170417\_00332.jpg



Burrow on waterside levee shoulder. Spring 2017.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                            |              |                        |               |            |
|-------------------|----------------------------|--------------|------------------------|---------------|------------|
| LM Start          | <b>0.72</b>                | Rating **    | M                      | Issue No.     | <b>209</b> |
| LM End            | <b>0.72</b>                | Issue Type + | Ma                     | Location *    | WS         |
| Category          | Earthen Levee              |              | GPS Latitude/Longitude |               |            |
|                   |                            |              | Start                  | End           |            |
| Item              | Encroachments              |              | 38.809056 °            | 38.809056 °   |            |
|                   |                            |              | -121.724520 °          | -121.724520 ° |            |
| DWR ID            | DWR_NA0016_01_s _ 2017_209 |              |                        |               |            |
| Comment Code      |                            |              |                        |               |            |
| TR : Tree or limb |                            |              |                        |               |            |
| Inspector Comment |                            |              |                        |               |            |
|                   |                            |              |                        |               |            |

No Photos

|                   |                            |              |                        |               |            |
|-------------------|----------------------------|--------------|------------------------|---------------|------------|
| LM Start          | <b>0.84</b>                | Rating **    | M                      | Issue No.     | <b>210</b> |
| LM End            | <b>0.84</b>                | Issue Type + | Ma                     | Location *    | WS         |
| Category          | Earthen Levee              |              | GPS Latitude/Longitude |               |            |
|                   |                            |              | Start                  | End           |            |
| Item              | Encroachments              |              | 38.810702 °            | 38.810702 °   |            |
|                   |                            |              | -121.724629 °          | -121.724629 ° |            |
| DWR ID            | DWR_NA0016_01_s _ 2017_210 |              |                        |               |            |
| Comment Code      |                            |              |                        |               |            |
| TR : Tree or limb |                            |              |                        |               |            |
| Inspector Comment |                            |              |                        |               |            |
|                   |                            |              |                        |               |            |

No Photos

|   |                            |              |                        |               |            |
|---|----------------------------|--------------|------------------------|---------------|------------|
| LM Start  | <b>0.96</b>                | Rating **    | U                      | Issue No.     | <b>211</b> |
| LM End  | <b>0.96</b>                | Issue Type + | Ma                     | Location *    | LS         |
| Category  | Earthen Levee              |              | GPS Latitude/Longitude |               |            |
|   |                            |              | Start                  | End           |            |
| Item  | Animal Control             |              | 38.812460 °            | 38.812460 °   |            |
|   |                            |              | -121.724525 °          | -121.724525 ° |            |
| DWR ID  | DWR_NA0016_01_s _ 2017_211 |              |                        |               |            |
| Comment Code  |                            |              |                        |               |            |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                            |              |                        |               |            |
| Inspector Comment   |                            |              |                        |               |            |
| Large burrow hole on lanside levee slope.   |                            |              |                        |               |            |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_211\_20170417\_00333.jpg



Large burrow hole on lanside levee slope. Spring 2017.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|   | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                               |                         |              |     |                        |               |
|-------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                      | 1.28                    | Rating **    | A/W | Issue No.              | 82            |
| LM End                        | 1.28                    | Issue Type + | Ma  | Location *             | WS            |
| Category                      | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                               |                         |              |     | Start                  | End           |
| Item                          | Vegetation              |              |     | 38.817036 °            | 38.817036 °   |
|                               |                         |              |     | -121.725410 °          | -121.725410 ° |
| DWR ID                        | DWR_NA0016_01_s_2014_82 |              |     |                        |               |
| Comment Code                  |                         |              |     |                        |               |
| V7 : Trees / Woody Vegetation |                         |              |     |                        |               |
| Inspector Comment             |                         |              |     |                        |               |
|                               |                         |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_82\_20170320\_00037.jpg



View of the dying tree on the waterward side of the levee. Monitor trees that could pose a threat to the integrity of the levee. Fall 2015.

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 1.54                     | Rating **    | M  | Issue No.              | 212           |
| LM End  | 1.54                     | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Animal Control           |              |    | 38.820885 °            | 38.820885 °   |
|   |                          |              |    | -121.724939 °          | -121.724939 ° |
| DWR ID  | DWR_NA0016_01_s_2017_212 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
| Large burrow hole on lanside levee slope.   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_212\_20170417\_00334.jpg



Large burrow hole on landside levee slope. Spring 2017.

|                                       |                         |              |    |                        |               |
|---------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                              | 1.87                    | Rating **    | M  | Issue No.              | 84            |
| LM End                                | 1.87                    | Issue Type + | Ma | Location *             | WS            |
| Category                              | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                       |                         |              |    | Start                  | End           |
| Item                                  | Encroachments           |              |    | 38.825534 °            | 38.825534 °   |
|                                       |                         |              |    | -121.724749 °          | -121.724749 ° |
| DWR ID                                | DWR_NA0016_01_s_2014_84 |              |    |                        |               |
| Comment Code                          |                         |              |    |                        |               |
| TR : Tree or limb                     |                         |              |    |                        |               |
| Inspector Comment                     |                         |              |    |                        |               |
| Fallen tree on waterside levee slope. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_84\_20170417\_00335.jpg



View of fallen tree on waterside slope, looking towards river. Spring 2017.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

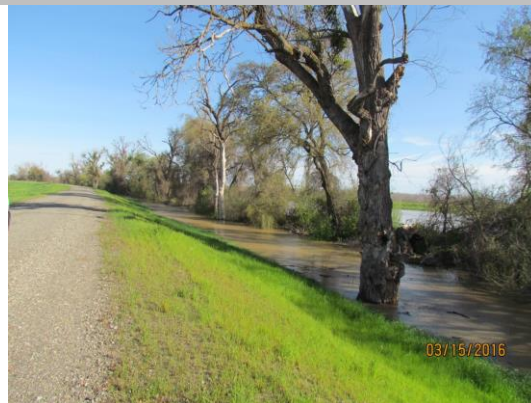
**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                       |                         |              |    |                        |               |     |
|---------------------------------------|-------------------------|--------------|----|------------------------|---------------|-----|
| LM Start                              | 1.87                    | Rating **    | M  | Issue No.              | 84 (cont)     |     |
| LM End                                | 1.87                    | Issue Type + | Ma | Location *             | WS            |     |
| Category                              | Earthen Levee           |              |    | GPS Latitude/Longitude |               |     |
|                                       |                         |              |    | Start                  |               | End |
| Item                                  | Encroachments           |              |    | 38.825534 °            | 38.825534 °   |     |
|                                       |                         |              |    | -121.724749 °          | -121.724749 ° |     |
| DWR ID                                | DWR_NA0016_01_s_2014_84 |              |    |                        |               |     |
| Comment Code                          |                         |              |    |                        |               |     |
| TR : Tree or limb                     |                         |              |    |                        |               |     |
| Inspector Comment                     |                         |              |    |                        |               |     |
| Fallen tree on waterside levee slope. |                         |              |    |                        |               |     |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_84\_20170320\_00039.jpg



View of the tree on the waterward side of the levee looking upstream.  
Spring 2016.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 2.17                     | Rating **    | U  | Issue No.              | 149           |
| LM End   | 2.38                     | Issue Type + | Ob | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Seepage / Sandboils      |              |    | 38.829567 °            | 38.832050 °   |
|  |                          |              |    | -121.726814 °          | -121.729140 ° |
| DWR ID   | DWR_NA0016_01_s_2016_149 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
|  |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_149\_20170320\_00073.jpg



The monitoring stake is on the shoulder of the levee on the landward side. Spring 2016.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>2.17</b> | Rating **    | U  | Issue No.  | <b>149 (cont)</b> |
| LM End   | <b>2.38</b> | Issue Type + | Ob | Location * | LS                |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_149\_20170320\_00074.jpg



View of the seepage on the landward side of the levee looking upstream.  
Spring 2016.

|   |  |   |  |   |  |  |  |
|---|--|---|--|---|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|---|--|---|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                 |                           |              |    |                        |               |
|---------------------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start                        | 2.39                      | Rating **    | M  | Issue No.              | 1550          |
| LM End                          | 2.39                      | Issue Type + | En | Location *             | LS            |
| Category                        | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|                                 |                           |              |    | Start                  | End           |
| Item                            | Encroachments             |              |    | 38.832203 °            | 38.832203 °   |
|                                 |                           |              |    | -121.729278 °          | -121.729278 ° |
| DWR ID                          | DWR_NA0016_01_f_2013_1550 |              |    |                        |               |
| Comment Code                    |                           |              |    |                        |               |
| EQ : Equipment                  |                           |              |    |                        |               |
| Inspector Comment               |                           |              |    |                        |               |
| Equipment are at the levee toe. |                           |              |    |                        |               |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>2.39</b> | Rating **    | M  | Issue No.  | <b>1550 (cont)</b> |
| LM End   | <b>2.39</b> | Issue Type + | En | Location * | LS                 |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_1550\_20170320\_00113.jpg



Pieces of machinery and debris at the levee toe. Spring 2014

Photo 2 of 2 : SP\_2017\_NA0016\_435\_1550\_20170320\_00114.jpg



View of the machinery along the landward levee toe looking upstream. Fall 2015.

|  |                          |              |     |                        |               |
|--|--------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 2.70                     | Rating **    | A/W | Issue No.              | 150           |
| LM End   | 2.70                     | Issue Type + | Ma  | Location *             | WS            |
| Category   | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|  |                          |              |     | Start                  | End           |
| Item   | Vegetation               |              |     | 38.835831 °            | 38.835831 °   |
|  |                          |              |     | -121.732077 °          | -121.732077 ° |
| DWR ID   | DWR_NA0016_01_s_2016_150 |              |     |                        |               |
| Comment Code   |                          |              |     |                        |               |
| V7 : Trees / Woody Vegetation  |                          |              |     |                        |               |
| Inspector Comment  |                          |              |     |                        |               |
| Monitor trees that pose a future threat to the integrity of the levee. |                          |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_150\_20170320\_00075.jpg



View of the tree on the waterward side of the levee looking upstream. Spring 2016.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 2.74                    | Rating **    | C  | Issue No.              | 98            |
| LM End  | 2.74                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.836454 °            | 38.836454 °   |
|   |                         |              |    | -121.732037 °          | -121.732037 ° |
| DWR ID  | DWR_NA0016_01_f_2015_98 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|                    |                        |              |    |                        |               |
|--------------------|------------------------|--------------|----|------------------------|---------------|
| LM Start           | 2.80                   | Rating **    | C  | Issue No.              | 6             |
| LM End             | 2.80                   | Issue Type + | En | Location *             | LS            |
| Category           | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|                    |                        |              |    | Start                  | End           |
| Item               | Vegetation             |              |    | 38.837300 °            | 38.837300 °   |
|                    |                        |              |    | -121.731775 °          | -121.731775 ° |
| DWR ID             | DWR_NA0016_01_f_2012_6 |              |    |                        |               |
| Comment Code       |                        |              |    |                        |               |
| V6 : Landscaping   |                        |              |    |                        |               |
| Inspector Comment  |                        |              |    |                        |               |
| River Garden Farms |                        |              |    |                        |               |

No Photos

|                                       |                         |              |    |                        |               |
|---------------------------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start                              | 3.14                    | Rating **    | M  | Issue No.              | 86            |
| LM End                                | 3.14                    | Issue Type + | En | Location *             | WS            |
| Category                              | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                                       |                         |              |    | Start                  | End           |
| Item                                  | Encroachments           |              |    | 38.841283 °            | 38.841283 °   |
|                                       |                         |              |    | -121.728827 °          | -121.728827 ° |
| DWR ID                                | DWR_NA0016_01_s_2014_86 |              |    |                        |               |
| Comment Code                          |                         |              |    |                        |               |
| TR : Tree or limb                     |                         |              |    |                        |               |
| Inspector Comment                     |                         |              |    |                        |               |
| Fallen tree on waterside levee slope. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_86\_20170417\_00336.jpg



Fallen tree on waterside levee slope. Spring 2017.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                       |                           |              |    |                        |           |               |
|---------------------------------------|---------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start                              | 3.14                      | Rating **    | M  | Issue No.              | 86 (cont) |               |
| LM End                                | 3.14                      | Issue Type + | En | Location *             | WS        |               |
| Category                              | Earthen Levee             |              |    | GPS Latitude/Longitude |           |               |
|                                       |                           |              |    | Start                  |           | End           |
| Item                                  | Encroachments             |              |    | 38.841283 °            |           | 38.841283 °   |
|                                       |                           |              |    | -121.728827 °          |           | -121.728827 ° |
| DWR ID                                | DWR_NA0016_01_s _ 2014_86 |              |    |                        |           |               |
| Comment Code                          |                           |              |    |                        |           |               |
| TR : Tree or limb                     |                           |              |    |                        |           |               |
| Inspector Comment                     |                           |              |    |                        |           |               |
| Fallen tree on waterside levee slope. |                           |              |    |                        |           |               |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_86\_20170320\_00040.jpg



Monitor trees that pose a future threat to the integrity of the levee.  
Spring 2014

|  |                            |              |    |                        |     |               |
|--|----------------------------|--------------|----|------------------------|-----|---------------|
| LM Start   | 3.27                       | Rating **    | M  | Issue No.              | 213 |               |
| LM End   | 4.14                       | Issue Type + | Ma | Location *             | LS  |               |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |     |               |
|  |                            |              |    | Start                  |     | End           |
| Item   | Vegetation                 |              |    | 38.842909 °            |     | 38.852004 °   |
|  |                            |              |    | -121.728861 °          |     | -121.726810 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_213 |              |    |                        |     |               |
| Comment Code   |                            |              |    |                        |     |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |     |               |
| Inspector Comment  |                            |              |    |                        |     |               |
|  |                            |              |    |                        |     |               |

No Photos

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 3.54                        | Rating **    | A/W | Issue No.              | 1556          |
| LM End  | 3.54                        | Issue Type + | Ma  | Location *             | LS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.846492 °            | 38.846492 °   |
|   |                             |              |     | -121.730066 °          | -121.730066 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10125   |                             |              |     |                        |               |
| DS_ID:20331   |                             |              |     |                        |               |
| EP_NO: N/A  |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments:  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 5'x 5' concrete tunnel through levee 33.0 feet below crown. Slide gate at outlet on WS toe. Tunnel runs from Concrete V-shaped riser on LS shoulder to WS toe. Steel walkway to slide gate acuator on WS berm. Originally included in the 1960 O&M manual. |                             |              |     |                        |               |
| FS Date: 3/12/2013  |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10125\_17283.jpg



Steel walkway on WS berm with Slide gate actuator.

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>3.54</b> | Rating **    | A/W | Issue No.  | <b>1556 (cont)</b> |
| LM End   | <b>3.54</b> | Issue Type + | Ma  | Location * | LS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10125\_17282.jpg



Pumphouse at LS toe and concrete riser on LS shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |  |
|---|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start  | 3.54                        | Rating **    | A/W | Issue No.              | 1556 (cont)   |  |
| LM End  | 3.54                        | Issue Type + | Ma  | Location *             | LS            |  |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|   |                             |              |     | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.846492 °            | 38.846492 °   |  |
|   |                             |              |     | -121.730066 °          | -121.730066 ° |  |
| DWR ID  |                             |              |     |                        |               |  |
| Comment Code  |                             |              |     |                        |               |  |
|   |                             |              |     |                        |               |  |
| Inspector Comment   |                             |              |     |                        |               |  |
| FS_ID:10125   |                             |              |     |                        |               |  |
| DS_ID:20331   |                             |              |     |                        |               |  |
| EP_NO: N/A  |                             |              |     |                        |               |  |
| Repair Type: No Action Needed   |                             |              |     |                        |               |  |
| Crossing Status: Found  |                             |              |     |                        |               |  |
| UCIP Comments:  |                             |              |     |                        |               |  |
| FIELD_STRUCT_DESC: 5'x 5' concrete tunnel through levee 33.0 feet below crown. Slide gate at outlet on WS toe. Tunnel runs from Concrete V-shaped riser on LS shoulder to WS toe. Steel walkway to slide gate acuator on WS berm. Originally included in the 1960 O&M manual. |                             |              |     |                        |               |  |
| FS Date: 3/12/2013  |                             |              |     |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2017\_10125\_17281.jpg



Slide gate at outlet at river side.

|  |                        |              |    |                        |               |
|--|------------------------|--------------|----|------------------------|---------------|
| LM Start                                       | 3.56                   | Rating **    | M  | Issue No.              | 8             |
| LM End   | 3.94                   | Issue Type + | En | Location *             | LS            |
| Category                                       | Earthen Levee          |              |    | GPS Latitude/Longitude |               |
|  |                        |              |    | Start                  | End           |
| Item   | Encroachments          |              |    | 38.846785 °            | 38.850758 °   |
|  |                        |              |    | -121.729995 °          | -121.725263 ° |
| DWR ID   | DWR_NA0016_01_s_2012_8 |              |    |                        |               |
| Comment Code                                   |                        |              |    |                        |               |
| DT : Ditch                                     |                        |              |    |                        |               |
| Inspector Comment                              |                        |              |    |                        |               |
| Concrete lined ditch runs along the levee toe. |                        |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_8\_20170320\_00008.jpg

View of the ditch on the landward side of the levee looking upstream.  
Spring 2016.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                           |              |    |                        |               |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start  | 3.95                      | Rating **    | U  | Issue No.              | 153           |
| LM End  | 4.10                      | Issue Type + | Ob | Location *             | LS            |
| Category  | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|   |                           |              |    | Start                  | End           |
| Item  | Seepage / Sandboils       |              |    | 38.850775 °            | 38.852083 °   |
|   |                           |              |    | -121.725173 °          | -121.726079 ° |
| DWR ID  | DWR_NA0016_01_s _2016_153 |              |    |                        |               |
| Comment Code  |                           |              |    |                        |               |
|   |                           |              |    |                        |               |
| Inspector Comment   |                           |              |    |                        |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. USACE placed seepage berm at the beginning of March, 2017. |                           |              |    |                        |               |
|   |                           |              |    |                        |               |

Photo 1 of 4 : SP\_2017\_NA0016\_435\_153\_20170417\_00337.jpg



View of seepage berm and ramp placed on landside levee slope by USACE on March 1, 2017.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>3.95</b> | Rating **    | U  | Issue No.  | <b>153 (cont)</b> |
| LM End   | <b>4.10</b> | Issue Type + | Ob | Location * | LS                |

Photo 2 of 4 : SP\_2017\_NA0016\_435\_153\_20170417\_00338.jpg



Additional view of seepage berm and ramp placed on landside levee slope by USACE on March 1, 2017.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>3.95</b> | Rating **    | U  | Issue No.  | <b>153 (cont)</b> |
| LM End   | <b>4.10</b> | Issue Type + | Ob | Location * | LS                |

Photo 3 of 4 : SP\_2017\_NA0016\_435\_153\_20170320\_00079.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                            |              |    |                        |               |     |
|---|----------------------------|--------------|----|------------------------|---------------|-----|
| LM Start  | 3.95                       | Rating **    | U  | Issue No.              | 153 (cont)    |     |
| LM End  | 4.10                       | Issue Type + | Ob | Location *             | LS            |     |
| Category  | Earthen Levee              |              |    | GPS Latitude/Longitude |               |     |
|   |                            |              |    | Start                  |               | End |
| Item  | Seepage / Sandboils        |              |    | 38.850775 °            | 38.852083 °   |     |
|   |                            |              |    | -121.725173 °          | -121.726079 ° |     |
| DWR ID  | DWR_NA0016_01_s _ 2016_153 |              |    |                        |               |     |
| Comment Code  |                            |              |    |                        |               |     |
|   |                            |              |    |                        |               |     |
| Inspector Comment   |                            |              |    |                        |               |     |
| Seepage area has been staked and noted by LMA. Monitor seepage site. USACE placed seepage berm at the beginning of March, 2017. |                            |              |    |                        |               |     |

Photo 4 of 4 : SP\_2017\_NA0016\_435\_153\_20170320\_00080.jpg



LMA has staked seepage area and are monitoring the situation.

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.18                       | Rating **    | M  | Issue No.              | 214           |
| LM End   | 4.94                       | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 38.851990 °            | 38.859758 °   |
|  |                            |              |    | -121.727669 °          | -121.735341 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_214 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|                                   |                          |              |    |                        |               |
|-----------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                          | 4.80                     | Rating **    | M  | Issue No.              | 9             |
| LM End                            | 4.80                     | Issue Type + | En | Location *             | LS            |
| Category                          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                                   |                          |              |    | Start                  | End           |
| Item                              | Encroachments            |              |    | 38.859446 °            | 38.859446 °   |
|                                   |                          |              |    | -121.732774 °          | -121.732774 ° |
| DWR ID                            | DWR_NA0016_01_s _ 2012_9 |              |    |                        |               |
| Comment Code                      |                          |              |    |                        |               |
| FE : Fence                        |                          |              |    |                        |               |
| Inspector Comment                 |                          |              |    |                        |               |
| chain link fence runs along levee |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_9\_20170320\_00009.jpg



View of the chain link fence along the landward levee toe looking upstream. The fence does not obstruct the view. Fall 2015.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 4.85                     | Rating **    | C  | Issue No.              | 124           |
| LM End  | 4.85                     | Issue Type + | Ma | Location *             | CR            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Animal Control           |              |    | 38.859555 °            | 38.859555 °   |
|   |                          |              |    | -121.733555 °          | -121.733555 ° |
| DWR ID  | DWR_NA0016_01_f_2016_124 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
|   |                          |              |    |                        |               |

No Photos

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 4.99                     | Rating **    | U  | Issue No.              | 111           |
| LM End   | 5.09                     | Issue Type + | Ob | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Seepage / Sandboils      |              |    | 38.859909 °            | 38.860409 °   |
|  |                          |              |    | -121.736119 °          | -121.738001 ° |
| DWR ID   | DWR_NA0016_01_s_2016_111 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
|  |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_111\_20170320\_00062.jpg



Stake stating what date the seepage was last monitored. Spring 2016.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>4.99</b> | Rating **    | U  | Issue No.  | <b>111 (cont)</b> |
| LM End   | <b>5.09</b> | Issue Type + | Ob | Location * | LS                |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_111\_20170320\_00063.jpg



View of the seepage on the landward side of the levee looking downstream. Spring 2016.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.49                       | Rating **    | M  | Issue No.              | 217           |
| LM End   | 10.95                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 38.863290 °            | 38.870263 °   |
|  |                            |              |    | -121.744286 °          | -121.805292 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_217 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 5.49                       | Rating **    | M  | Issue No.              | 218           |
| LM End   | 10.95                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 38.863290 °            | 38.870263 °   |
|  |                            |              |    | -121.744286 °          | -121.805292 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_218 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|   |                            |              |    |                        |               |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start                                    | 6.07                       | Rating **    | U  | Issue No.              | 215           |
| LM End                                      | 6.07                       | Issue Type + | Ob | Location *             | LS            |
| Category                                    | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|   |                            |              |    | Start                  | End           |
| Item  | Seepage / Sandboils        |              |    | 38.870273 °            | 38.870273 °   |
|   |                            |              |    | -121.749383 °          | -121.749383 ° |
| DWR ID                                      | DWR_NA0016_01_s _ 2017_215 |              |    |                        |               |
| Comment Code                                |                            |              |    |                        |               |
|   |                            |              |    |                        |               |
| Inspector Comment                           |                            |              |    |                        |               |
| Historical boil site at landside levee toe. |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_215\_20170417\_00339.jpg



View of historical boil site at landside levee toe. Two sack rings were placed in February, 2017.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.12                     | Rating **    | U  | Issue No.              | 152           |
| LM End   | 6.12                     | Issue Type + | Ob | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Seepage / Sandboils      |              |    | 38.870503 °            | 38.870503 °   |
|  |                          |              |    | -121.750068 °          | -121.750068 ° |
| DWR ID   | DWR_NA0016_01_s_2016_152 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
|  |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |               |

Photo 1 of 3 : SP\_2017\_NA0016\_435\_152\_20170320\_00076.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>6.12</b> | Rating **    | U  | Issue No.  | <b>152 (cont)</b> |
| LM End   | <b>6.12</b> | Issue Type + | Ob | Location * | LS                |

Photo 2 of 3 : SP\_2017\_NA0016\_435\_152\_20170320\_00077.jpg



View of the seepage on the landward side of the levee looking downstream. Spring 2016.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>6.12</b> | Rating **    | U  | Issue No.  | <b>152 (cont)</b> |
| LM End   | <b>6.12</b> | Issue Type + | Ob | Location * | LS                |

Photo 3 of 3 : SP\_2017\_NA0016\_435\_152\_20170320\_00078.jpg



LMA monitoring stake for the seepage. Spring 2016.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                                       |              |    |                        |               |
|--|---------------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.31                                  | Rating **    | C  | Issue No.              | 154           |
| LM End   | 6.31                                  | Issue Type + | Ma | Location *             | CR            |
| Category   | Earthen Levee                         |              |    | GPS Latitude/Longitude |               |
|  |                                       |              |    | Start                  | End           |
| Item   | Crown Surface / Depressions / Rutting |              |    | 38.869088 °            | 38.869088 °   |
|  |                                       |              |    | -121.753220 °          | -121.753220 ° |
| DWR ID   | DWR_NA0016_01_s _ 2016_154            |              |    |                        |               |
| Comment Code   |                                       |              |    |                        |               |
| C2 : Repair depressions or ruts in the crown or slope. |                                       |              |    |                        |               |
| Inspector Comment                                      |                                       |              |    |                        |               |
|  |                                       |              |    |                        |               |

No Photos

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.50                       | Rating **    | U  | Issue No.              | 156           |
| LM End   | 6.62                       | Issue Type + | Ob | Location *             | LS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Seepage / Sandboils        |              |    | 38.868127 °            | 38.867530 °   |
|  |                            |              |    | -121.756499 °          | -121.758427 ° |
| DWR ID   | DWR_NA0016_01_s _ 2016_156 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
|  |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                            |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_156\_20170320\_00082.jpg



View of the seepage on the landward side of the levee looking downstream. Spring 2016.

|          |             |              |    |            |                   |
|----------|-------------|--------------|----|------------|-------------------|
| LM Start | <b>6.50</b> | Rating **    | U  | Issue No.  | <b>156 (cont)</b> |
| LM End   | <b>6.62</b> | Issue Type + | Ob | Location * | LS                |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_156\_20170320\_00083.jpg



Stake marks the seepage site on the levee prism and is placed on the landward shoulder. Spring 2016.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.71                     | Rating **    | M  | Issue No.              | 219           |
| LM End  | 6.71                     | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Slope Stability          |              |    | 38.866310 °            | 38.866310 °   |
|   |                          |              |    | -121.758467 °          | -121.758467 ° |
| DWR ID  | DWR_NA0016_01_s_2017_219 |              |    |                        |               |
| Comment Code                                    |                          |              |    |                        |               |
| S1 : Repair slope instability.                  |                          |              |    |                        |               |
| Inspector Comment                               |                          |              |    |                        |               |
| LMA placed raincoat to prevent further erosion. |                          |              |    |                        |               |

No Photos

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.82                 | Rating **    | M  | Issue No.              | 1557          |
| LM End   | 6.82                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.864862 °            | 38.864862 °   |
|  |                      |              |    | -121.757516 °          | -121.757516 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10129  |                      |              |    |                        |               |
| DS_ID:20228  |                      |              |    |                        |               |
| EP_NO: 1297  |                      |              |    |                        |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |               |
| Crossing Status: Found   |                      |              |    |                        |               |
| UCIP Comments: Leak at flowmeter on WS berm may become problem in near future.   |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: *REMOVED*2 of 2: 16-inch steel pipe through levee 5.2 feet below crown. Slant pumps in metal pump house on the waterward bank, supported on steel structure. Pipes discharge into 9.5'x12' concrete distribution box on the landward side. Sparline flow meter on pipes near the waterward toe. (Permit No. 1297, 1948). Also included in the 1960 O&M manual. Removed under permit No. 8501, 2012. |                      |              |    |                        |               |
| FS Date: 3/12/2013   |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10129\_17291.jpg



Minor leak at flowmeter on WS berm.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 6.82                 | Rating **    | M  | Issue No.              | 1557 (cont)   |
| LM End   | 6.82                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 38.864862 °            | 38.864862 °   |
|          |                      |              |    | -121.757516 °          | -121.757516 ° |
| DWR ID   |                      |              |    |                        |               |

Comment Code

Inspector Comment

FS\_ID:10129  
DS\_ID:20228  
EP\_NO: 1297  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Leak at flowmeter on WS berm may become problem in near future.  
FIELD\_STRUCT\_DESC: \*REMOVED\*2 of 2: 16-inch steel pipe through levee 5.2 feet below crown. Slant pumps in metal pump house on the waterward bank, supported on steel structure. Pipes discharge into 9.5'x12' concrete distribution box on the landward side. Sparline flow meter on pipes near the waterward toe. (Permit No. 1297, 1948). Also included in the 1960 O&M manual. Removed under permit No. 8501, 2012.  
FS Date: 3/12/2013

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>6.82</b> | Rating **    | M  | Issue No.  | <b>1557 (cont)</b> |
| LM End   | <b>6.82</b> | Issue Type + | En | Location * | LS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10129\_17290.jpg



Pumphouse and steps on WS.

Photo 3 of 3 : UCIP\_SP\_2017\_10129\_17289.jpg



Pipe and fish screen ramp on WS.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 6.82                 | Rating **    | M  | Issue No.              | 1558          |
| LM End   | 6.82                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.864873 °            | 38.864873 °   |
|  |                      |              |    | -121.757521 °          | -121.757521 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:46765<br>DS_ID:25125<br>EP_NO: 8501<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: field inspection of the site revealed a few minor actions: 1. there are metal fence posts located near the pipe that should be cleared out for safety, 2. vegetation around the pipes should be cleared as it limits inspection, 3. some burrowing activity was noticed nearby the pipes.<br>FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals.<br>FS Date: 10/9/2015 9:00:32 AM |                      |              |    |                        |               |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>6.82</b> | Rating **    | M  | Issue No.  | <b>1558 (cont)</b> |
| LM End   | <b>6.82</b> | Issue Type + | En | Location * | LS                 |

Photo 1 of 3 : UCIP\_SP\_2017\_46765\_74700.jpg



view from levee crest along pipe profile on water side of levee. pipe daylight from levee and pumphouse.

Photo 2 of 3 : UCIP\_SP\_2017\_46765\_74701.jpg



view from levee crest along pipe profile toward land side of levee. CMP risers with siphon breakers and distribution box near land side levee toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 6.82                 | Rating **    | M  | Issue No.              | 1558 (cont)   |  |
| LM End   | 6.82                 | Issue Type + | En | Location *             | LS            |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.864873 °            | 38.864873 °   |  |
|  |                      |              |    | -121.757521 °          | -121.757521 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:46765<br>DS_ID:25125<br>EP_NO: 8501<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: field inspection of the site revealed a few minor actions: 1. there are metal fence posts located near the pipe that should be cleared out for safety, 2. vegetation around the pipes should be cleared as it limits inspection, 3. some burrowing activity was noticed nearby the pipes.<br>FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals.<br>FS Date: 10/9/2015 9:00:32 AM |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2017\_46765\_74702.jpg



pipe intake in river. track above pipe is for drum fish screen.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 6.82                 | Rating **    | M  | Issue No.              | 1559          |
| LM End  | 6.82                 | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 38.864844 °            | 38.864844 °   |
|   |                      |              |    | -121.757540 °          | -121.757540 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:46766<br>DS_ID:25126<br>EP_NO: 8501<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: a few actions are recommended based on field inspection: 1. clear out metal fence posts near daylight of pipe on water side levee. 2. clear vegetation around pipes on water side of levee to aid in inspection. 3. monitor burrowing activities on water side of levee. FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals.<br>FS Date: 10/9/2015 |                      |              |    |                        |               |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>6.82</b> | Rating **    | M  | Issue No.  | <b>1559 (cont)</b> |
| LM End   | <b>6.82</b> | Issue Type + | En | Location * | LS                 |

Photo 1 of 3 : UCIP\_SP\_2017\_46766\_74705.jpg



view from levee crest along pipe looking towards water side. shows pipe daylight and pump house

Photo 2 of 3 : UCIP\_SP\_2017\_46766\_74706.jpg



view from levee crest along pipe looking towards land side. shows siphon breaker standpipes and distribution box.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |  |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 6.82                 | Rating **    | M  | Issue No.              | 1559 (cont)   |  |
| LM End  | 6.82                 | Issue Type + | En | Location *             | LS            |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|   |                      |              |    | Start                  | End           |  |
| Item  | DWR UCIP Field Study |              |    | 38.864844 °            | 38.864844 °   |  |
|   |                      |              |    | -121.757540 °          | -121.757540 ° |  |
| DWR ID  |                      |              |    |                        |               |  |
| Comment Code  |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
| Inspector Comment   |                      |              |    |                        |               |  |
| FS_ID:46766<br>DS_ID:25126<br>EP_NO: 8501<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: a few actions are recommended based on field inspection: 1. clear out metal fence posts near daylight of pipe on water side levee. 2. clear vegetation around pipes on water side of levee to aid in inspection. 3. monitor burrowing activities on water side of levee. FIELD_STRUCT_DESC: A 20 inch steel pipe and a 16 inch steel pipe are located at levee mile 6.889 and 6.89, respectively. Both pipes have a protective paint coating. The pipes are used to supply irrigation water to the adjacent fields. On the water side of the levee, the pipes are above ground and follow the slope of the bank into the river. A metal pumphouse, supported on a steel frame is located on a bench on the waterside of the levee. When the pumps are operational a drum fish screen is lowered over the pipe intakes on a track. Both irrigation pipes travel through the levee and have siphon breakers in CMP risers on the land side crest of the levee. The pipes discharge under submerged conditions to a 9.5 ft x 12 ft concrete distribution box. There are two gated outlets on the distribution box that lead to distribution canals.<br>FS Date: 10/9/2015 |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2017\_46766\_74707.jpg



pipe intake in river. shows pipes entering water and track for drum fish screen.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 7.80                     | Rating **    | N  | Issue No.              | 116           |
| LM End            | 8.64                     | Issue Type + | Ma | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Trim / Thin Trees        |              |    | 38.861357 °            | 38.856379 °   |
|                   |                          |              |    | -121.768641 °          | -121.781943 ° |
| DWR ID            | DWR_NA0016_01_f_2015_116 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| T5 : Tree stumps. |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_116\_20170320\_00065.jpg



View of the tree stumps along the landward levee toe looking upstream. Fall 2015.

|  |  |  |  |   |   |
|--|--|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.86                 | Rating **    | M  | Issue No.              | 1560          |
| LM End   | 7.86                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.861018 °            | 38.861018 °   |
|  |                      |              |    | -121.769651 °          | -121.769651 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10144<br>DS_ID:20428<br>EP_NO: 18206<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Flap gates rusted through at concrete distribution box on LS toe.<br>FIELD_STRUCT_DESC: 1 of 2: 20-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 20-inch pipe installed under Permit No. 9377.<br>FS Date: 3/13/2013 |                      |              |    |                        |               |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>7.86</b> | Rating **    | M  | Issue No.  | <b>1560 (cont)</b> |
| LM End   | <b>7.86</b> | Issue Type + | En | Location * | LS                 |

Photo 1 of 3 : UCIP\_SP\_2017\_10144\_17307.jpg



Stairs, distribution box, and air vent in CMP riser on LS.

Photo 2 of 3 : UCIP\_SP\_2017\_10144\_17306.jpg



Stairs and pump on WS.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.86                 | Rating **    | M  | Issue No.              | 1560 (cont)   |
| LM End   | 7.86                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.861018 °            | 38.861018 °   |
|  |                      |              |    | -121.769651 °          | -121.769651 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10144<br>DS_ID:20428<br>EP_NO: 18206<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Flap gates rusted through at concrete distribution box on LS toe.<br>FIELD_STRUCT_DESC: 1 of 2: 20-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 20-inch pipe installed under Permit No. 9377.<br>FS Date: 3/13/2013 |                      |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10144\_17305.jpg



Air vent in CMP riser on LS shoulder.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 7.86                 | Rating **    | M  | Issue No.              | 1561          |
| LM End   | 7.86                 | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.861017 °            | 38.861017 °   |
|  |                      |              |    | -121.769658 °          | -121.769658 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10143<br>DS_ID:20427<br>EP_NO: 18206<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Flap gates rusted through at LS distribution box.<br>FIELD_STRUCT_DESC: 2 of 2: 16-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 16-inch pipe installed under Permit No. 9377.<br>FS Date: 3/13/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10143\_17302.jpg



Steps, air vent in riser, and distribution box on LS.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 7.86                 | Rating **    | M  | Issue No.              | 1561 (cont)   |  |
| LM End   | 7.86                 | Issue Type + | En | Location *             | LS            |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.861017 °            | 38.861017 °   |  |
|  |                      |              |    | -121.769658 °          | -121.769658 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:10143<br>DS_ID:20427<br>EP_NO: 18206<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Flap gates rusted through at LS distribution box.<br>FIELD_STRUCT_DESC: 2 of 2: 16-inch steel pipe through levee 4.7 feet below crown (Permit No. 18206, 2007). Two slant pumps in pump house on the waterward berm. Siphon breakers in corrugated metal riser units on the shoulder. Flap gate on both pipes in concrete distribution box on the landward side. Wooden steps on both slopes. Replaced 16-inch pipe installed under Permit No. 9377.<br>FS Date: 3/13/2013 |                      |              |    |                        |               |  |

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>7.86</b> | Rating **    | M  | Issue No.  | <b>1561 (cont)</b> |
| LM End   | <b>7.86</b> | Issue Type + | En | Location * | LS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10143\_17301.jpg



Stairs, pump platform on WS.

Photo 3 of 3 : UCIP\_SP\_2017\_10143\_17300.jpg



Vent in riser on LS shoulder.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                          |              |                        |               |            |
|-------------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start          | <b>7.93</b>              | Rating **    | M                      | Issue No.     | <b>221</b> |
| LM End            | <b>7.93</b>              | Issue Type + | Ma                     | Location *    | LS         |
| Category          | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                   |                          |              | Start                  | End           |            |
| Item              | Encroachments            |              | 38.860786 °            | 38.860786 °   |            |
|                   |                          |              | -121.770823 °          | -121.770823 ° |            |
| DWR ID            | DWR_NA0016_01_s_2017_221 |              |                        |               |            |
| Comment Code      |                          |              |                        |               |            |
| TR : Tree or limb |                          |              |                        |               |            |
| Inspector Comment |                          |              |                        |               |            |
|                   |                          |              |                        |               |            |

No Photos

|                   |                          |              |                        |               |            |
|-------------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start          | <b>8.45</b>              | Rating **    | M                      | Issue No.     | <b>118</b> |
| LM End            | <b>8.45</b>              | Issue Type + | En                     | Location *    | LS         |
| Category          | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                   |                          |              | Start                  | End           |            |
| Item              | Encroachments            |              | 38.858559 °            | 38.858559 °   |            |
|                   |                          |              | -121.779689 °          | -121.779689 ° |            |
| DWR ID            | DWR_NA0016_01_f_2015_118 |              |                        |               |            |
| Comment Code      |                          |              |                        |               |            |
| FW : Firewood     |                          |              |                        |               |            |
| Inspector Comment |                          |              |                        |               |            |
|                   |                          |              |                        |               |            |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_118\_20170320\_00066.jpg



View of the wood pile on the landward side of the levee. Fall 2015.

|                   |                          |              |                        |               |            |
|-------------------|--------------------------|--------------|------------------------|---------------|------------|
| LM Start          | <b>8.49</b>              | Rating **    | M                      | Issue No.     | <b>223</b> |
| LM End            | <b>8.49</b>              | Issue Type + | Ma                     | Location *    | WS         |
| Category          | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|                   |                          |              | Start                  | End           |            |
| Item              | Encroachments            |              | 38.858131 °            | 38.858131 °   |            |
|                   |                          |              | -121.780109 °          | -121.780109 ° |            |
| DWR ID            | DWR_NA0016_01_s_2017_223 |              |                        |               |            |
| Comment Code      |                          |              |                        |               |            |
| TR : Tree or limb |                          |              |                        |               |            |
| Inspector Comment |                          |              |                        |               |            |
|                   |                          |              |                        |               |            |

No Photos

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|   | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |



## Levee Inspection Report By Mile - Spring 2017

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 8.72                     | Rating **    | M  | Issue No.              | 225           |
| LM End            | 8.72                     | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 38.855784 °            | 38.855784 °   |
|                   |                          |              |    | -121.783057 °          | -121.783057 ° |
| DWR ID            | DWR_NA0016_01_s_2017_225 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| TR : Tree or limb |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

No Photos

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 8.89                        | Rating **    | A/W | Issue No.              | 1562          |
| LM End  | 8.89                        | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.856531 °            | 38.856531 °   |
|   |                             |              |     | -121.785605 °          | -121.785605 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10146<br>DS_ID:20230<br>EP_NO: 9376<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 1 of 4: 54-inch steel pipe encased in concrete through levee 26.5 feet below crown. (Permit No. 9376, 1960). Gate valves on waterward ends of the pipes. Walkway provided to the control valves and around pumphouse on LS. Pipes originate in a large concrete pool at pumphouse on LS. Originally included in the 1960 O&M manual.<br>FS Date: 3/13/2013 |                             |              |     |                        |               |

Pumphouse on LS toe.

| * Location                             | ** Rating   | + Issue Type                      |
|--|---|-----------------------------------|
| LS : Land Side    N/A : Not Applicable | A : Acceptable                      N : Not Inspected/Rated                   | Ma : Maintenance Deficiency       |
| WS : Water Side                        | M : Minimally Acceptable                      C : Corrected                   | Ob : Design & System Obsolescence |
| CR : Crown                             | U : Unacceptable                      A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |     |
|---|-----------------------------|--------------|-----|------------------------|---------------|-----|
| LM Start  | 8.89                        | Rating **    | A/W | Issue No.              | 1562 (cont)   |     |
| LM End  | 8.89                        | Issue Type + | Ma  | Location *             | WS            |     |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |     |
|   |                             |              |     | Start                  |               | End |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.856531 °            | 38.856531 °   |     |
|   |                             |              |     | -121.785605 °          | -121.785605 ° |     |
| DWR ID  |                             |              |     |                        |               |     |
| Comment Code  |                             |              |     |                        |               |     |
|   |                             |              |     |                        |               |     |
| Inspector Comment   |                             |              |     |                        |               |     |
| FS_ID:10146   |                             |              |     |                        |               |     |
| DS_ID:20230   |                             |              |     |                        |               |     |
| EP_NO: 9376   |                             |              |     |                        |               |     |
| Repair Type: No Action Needed   |                             |              |     |                        |               |     |
| Crossing Status: Found  |                             |              |     |                        |               |     |
| UCIP Comments:  |                             |              |     |                        |               |     |
| FIELD_STRUCT_DESC: 1 of 4: 54-inch steel pipe encased in concrete through levee 26.5 feet below crown. (Permit No. 9376, 1960). Gate valves on waterward ends of the pipes. Walkway provided to the control valves and around pumphouse on LS. Pipes originate in a large concrete pool at pumphouse on LS. Originally included in the 1960 O&M manual. |                             |              |     |                        |               |     |
| FS Date: 3/13/2013  |                             |              |     |                        |               |     |

Photo 2 of 3 : UCIP\_SP\_2017\_10146\_17311.jpg



Walkway to slide gate actuators on WS shoulder.

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>8.89</b> | Rating **    | A/W | Issue No.  | <b>1562 (cont)</b> |
| LM End   | <b>8.89</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10146\_17310.jpg



Pipes at outlet on WS toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 8.90                        | Rating **    | A/W | Issue No.              | 1563          |
| LM End  | 8.90                        | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.856554 °            | 38.856554 °   |
|   |                             |              |     | -121.785613 °          | -121.785613 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10147   |                             |              |     |                        |               |
| DS_ID:20361   |                             |              |     |                        |               |
| EP_NO: 9376   |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments:  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 2 of 4: 54-inch steel discharge pipe encased in concrete through levee 26.5 feet below crown. (Permit No. 9376, 1960) Gate valves on both ends of the pipes. Walkway provided to the gate valves on WS shoulder. Originally included in the 1960 O&M manual. Pipe not visible on LS toe. |                             |              |     |                        |               |
| FS Date: 3/13/2013  |                             |              |     |                        |               |

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>8.90</b> | Rating **    | A/W | Issue No.  | <b>1563 (cont)</b> |
| LM End   | <b>8.90</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 1 of 3 : UCIP\_SP\_2017\_10147\_17316.jpg



Pumphouse on LS toe.

Photo 2 of 3 : UCIP\_SP\_2017\_10147\_17315.jpg



Walkway to slide gate actuators on WS shoulder.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 8.90                        | Rating **    | A/W | Issue No.              | 1563 (cont)   |
| LM End  | 8.90                        | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.856554 °            | 38.856554 °   |
|   |                             |              |     | -121.785613 °          | -121.785613 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10147   |                             |              |     |                        |               |
| DS_ID:20361   |                             |              |     |                        |               |
| EP_NO: 9376   |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments:  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 2 of 4: 54-inch steel discharge pipe encased in concrete through levee 26.5 feet below crown. (Permit No. 9376, 1960) Gate valves on both ends of the pipes. Walkway provided to the gate valves on WS shoulder. Originally included in the 1960 O&M manual. Pipe not visible on LS toe. |                             |              |     |                        |               |
| FS Date: 3/13/2013  |                             |              |     |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10147\_17314.jpg



Slide gates and pipes at outlet structure on WS toe.

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 8.90                        | Rating **    | A/W | Issue No.              | 1564          |
| LM End   | 8.90                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.856572 °            | 38.856572 °   |
|  |                             |              |     | -121.785620 °          | -121.785620 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10148<br>DS_ID:20362<br>EP_NO: 9376<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 3 of 4: 54-inch steel discharge pipe encased in concrete through levee 26.5 feet below crown. (Permit No. 9376, 1960). Gate valves on both ends of the pipes. Walkway provided to the control valves in pump house. Originally included in the 1960 O&M manual.<br>FS Date: 3/13/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10148\_17320.jpg



Pumphouse on LS.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 8.90                        | Rating **    | A/W | Issue No.              | 1564 (cont)   |
| LM End   | 8.90                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.856572 °            | 38.856572 °   |
|  |                             |              |     | -121.785620 °          | -121.785620 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10148  |                             |              |     |                        |               |
| DS_ID:20362  |                             |              |     |                        |               |
| EP_NO: 9376  |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 3 of 4: 54-inch steel discharge pipe encased in concrete through levee 26.5 feet below crown. (Permit No. 9376, 1960). Gate valves on both ends of the pipes. Walkway provided to the control valves in pump house. Originally included in the 1960 O&M manual. |                             |              |     |                        |               |
| FS Date: 3/13/2013   |                             |              |     |                        |               |

Photo 2 of 3 : UCIP\_SP\_2017\_10148\_17319.jpg



Slide gate actuators on platform at WS shoulder.

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>8.90</b> | Rating **    | A/W | Issue No.  | <b>1564 (cont)</b> |
| LM End   | <b>8.90</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10148\_17318.jpg



Pipes at outlet on WS.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 8.90                        | Rating **    | A/W | Issue No.              | 1565          |
| LM End  | 8.90                        | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.856608 °            | 38.856608 °   |
|   |                             |              |     | -121.785622 °          | -121.785622 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10149   |                             |              |     |                        |               |
| DS_ID:20363   |                             |              |     |                        |               |
| EP_NO: 9376   |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments:  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 4 of 4: 54-inch steel discharge pipe encased in concrete through levee 26.5 feet below crown. (Permit No. 9376, 1960) Gate valves on both ends of the pipes. Walkway provided to the control valves. Originally included in the 1960 O&M manual. |                             |              |     |                        |               |
| FS Date: 3/13/2013  |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10149\_17324.jpg



Pumphouse on LS.

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>8.90</b> | Rating **    | A/W | Issue No.  | <b>1565 (cont)</b> |
| LM End   | <b>8.90</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10149\_17323.jpg



Slide gate actuators on platform at WS shoulder.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 8.90                        | Rating **    | A/W | Issue No.              | 1565 (cont)   |
| LM End  | 8.90                        | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.856608 °            | 38.856608 °   |
|   |                             |              |     | -121.785622 °          | -121.785622 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10149   |                             |              |     |                        |               |
| DS_ID:20363   |                             |              |     |                        |               |
| EP_NO: 9376   |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments:  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 4 of 4: 54-inch steel discharge pipe encased in concrete through levee 26.5 feet below crown. (Permit No. 9376, 1960) Gate valves on both ends of the pipes. Walkway provided to the control valves. Originally included in the 1960 O&M manual. |                             |              |     |                        |               |
| FS Date: 3/13/2013  |                             |              |     |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10149\_17322.jpg



Pipes and slide gates at outlet on WS.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 9.09                     | Rating **    | C  | Issue No.              | 123           |
| LM End            | 9.09                     | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 38.859320 °            | 38.859320 °   |
|                   |                          |              |    | -121.784939 °          | -121.784939 ° |
| DWR ID            | DWR_NA0016_01_f_2016_123 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| TR : Tree or limb |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 9.16                    | Rating **    | C  | Issue No.              | 92            |
| LM End  | 9.16                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 38.860284 °            | 38.860284 °   |
|   |                         |              |    | -121.784788 °          | -121.784788 ° |
| DWR ID  | DWR_NA0016_01_s_2015_92 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 9.21                 | Rating **    | M  | Issue No.              | 1566          |  |
| LM End   | 9.21                 | Issue Type + | En | Location *             | LS            |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 38.860993 °            | 38.860993 °   |  |
|  |                      |              |    | -121.784840 °          | -121.784840 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:50039<br>DS_ID:20231<br>EP_NO: 1641<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: 09/23/2016 - pipe is not actively used. No power to pump platform. vegetation growth obscuring view along pipe alignment on the WS toe (T.Hatch/UCIP) 09/01/2016 pipe is visible on the WS slope of the levee. The pipe appears intact on the WS and does not appear to have a meter. The siphon breaker on the LS slope appears to have been removed and replaced by a cap. No holes or missing connections were visible. WS levee slope appears to have a slight depression in the vicinity of the exposed pipe. (T. Hatch/UCIP)<br><br>03/13/2013 - Meter removed from the pipe on the WS and pipe is open. Pipe appears abandoned, and, if so, should be abandoned properly. (W. Wylie/UCIP)<br>FIELD_STRUCT_DESC: *ABANDONED* 14-inch steel irrigation pipe through the levee, 5.2 feet below the crown. A slant pump on a concrete pump platform on the waterside (WS). A siphon breaker on the landside (LS) slope. A sparring flow meter on the pipe on the WS slope. 42 inch concrete standpipe in concrete distribution box at the landside (LS) toe. (Permit No. 1641, 1959 - Erdman). [Additional Reference(s): DWR Levee Logs, 2006. USACE Sacramento O&M Manual 130, May 1960 (LM 9.31)].<br>FS Date: 9/23/2016 |                      |              |    |                        |               |  |

Photo 1 of 3 : UCIP\_SP\_2017\_50039\_17328.jpg



Concrete riser on LS toe.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 9.21                 | Rating **    | M  | Issue No.              | 1566 (cont)   |
| LM End   | 9.21                 | Issue Type + | En | Location *             | LS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 38.860993 °            | 38.860993 °   |
|          |                      |              |    | -121.784840 °          | -121.784840 ° |
| DWR ID   |                      |              |    |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:50039  
DS\_ID:20231  
EP\_NO: 1641  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: 09/23/2016 - pipe is not actively used. No power to pump platform. vegetation growth obscuring view along pipe alignment on the WS toe (T.Hatch/UCIP) 09/01/2016 pipe is visible on the WS slope of the levee. The pipe appears intact on the WS and does not appear to have a meter. The siphon breaker on the LS slope appears to have been removed and replaced by a cap. No holes or missing connections were visible. WS levee slope appears to have a slight depression in the vicinity of the exposed pipe. (T. Hatch/UCIP)

03/13/2013 - Meter removed from the pipe on the WS and pipe is open. Pipe appears abandoned, and, if so, should be abandoned properly. (W. Wylie/UCIP)

FIELD\_STRUCT\_DESC: \*ABANDONED\* 14-inch steel irrigation pipe through the levee, 5.2 feet below the crown. A slant pump on a concrete pump platform on the waterside (WS). A siphon breaker on the landside (LS) slope. A spurling flow meter on the pipe on the WS slope. 42 inch concrete standpipe in concrete distribution box at the landside (LS) toe. (Permit No. 1641, 1959 - Erdman). [Additional Reference(s): DWR Levee Logs, 2006. USACE Sacramento O&M Manual 130, May 1960 (LM 9.31)].

FS Date: 9/23/2016

|          |             |              |    |            |                    |
|----------|-------------|--------------|----|------------|--------------------|
| LM Start | <b>9.21</b> | Rating **    | M  | Issue No.  | <b>1566 (cont)</b> |
| LM End   | <b>9.21</b> | Issue Type + | En | Location * | LS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_50039\_17327.jpg



Pump platform on WS.

Photo 3 of 3 : UCIP\_SP\_2017\_50039\_17326.jpg



Pipe open where watermeter was removed.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|   | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 9.62                     | Rating **    | M  | Issue No.              | 226           |
| LM End  | 9.62                     | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Animal Control           |              |    | 38.862422 °            | 38.862422 °   |
|   |                          |              |    | -121.790305 °          | -121.790305 ° |
| DWR ID  | DWR_NA0016_01_s_2017_226 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
| Rodent burrow on landside levee slope.  |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_226\_20170417\_00340.jpg



Rodent burrow on landside levee slope. Spring 2017.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 9.67                     | Rating **    | C  | Issue No.              | 160           |
| LM End            | 9.67                     | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 38.862279 °            | 38.862279 °   |
|                   |                          |              |    | -121.791088 °          | -121.791088 ° |
| DWR ID            | DWR_NA0016_01_s_2016_160 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| PR : Prunings     |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

No Photos

|                                  |                         |              |     |                        |               |
|----------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 9.68                    | Rating **    | A/W | Issue No.              | 29            |
| LM End                           | 9.79                    | Issue Type + | Ma  | Location *             | WS            |
| Category                         | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                  |                         |              |     | Start                  | End           |
| Item                             | Vegetation              |              |     | 38.862345 °            | 38.862848 °   |
|                                  |                         |              |     | -121.791337 °          | -121.793267 ° |
| DWR ID                           | DWR_NA0016_01_s_2012_29 |              |     |                        |               |
| Comment Code                     |                         |              |     |                        |               |
| V8 : Environmental Requirements. |                         |              |     |                        |               |
| Inspector Comment                |                         |              |     |                        |               |
|                                  |                         |              |     |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_29\_20170320\_00021.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                  |                         |              |     |                        |               |
|----------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 9.68                    | Rating **    | A/W | Issue No.              | 29 (cont)     |
| LM End                           | 9.79                    | Issue Type + | Ma  | Location *             | WS            |
| Category                         | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                  |                         |              |     | Start                  | End           |
| Item                             | Vegetation              |              |     | 38.862345 °            | 38.862848 °   |
|                                  |                         |              |     | -121.791337 °          | -121.793267 ° |
| DWR ID                           | DWR_NA0016_01_s_2012_29 |              |     |                        |               |
| Comment Code                     |                         |              |     |                        |               |
| V8 : Environmental Requirements. |                         |              |     |                        |               |
| Inspector Comment                |                         |              |     |                        |               |
|                                  |                         |              |     |                        |               |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_29\_20170320\_00022.jpg



Revegetation site sign. Spring 2016.

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 9.75                        | Rating **    | A/W | Issue No.              | 1567          |
| LM End  | 9.75                        | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.862619 °            | 38.862619 °   |
|   |                             |              |     | -121.792510 °          | -121.792510 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10163   |                             |              |     |                        |               |
| DS_ID:20415   |                             |              |     |                        |               |
| EP_NO: 680  |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments:  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 42-inch steel pipe through levee 17.5 feet below crown. Screw gate on the waterward end. Pump on platform in canal on LS toe. 12-inch standpipe along alignment on LS toe. (Permit No. 680, 1936). Staff gauge to 47.0 feet on structure. Included in the 1960 O&M manual. |                             |              |     |                        |               |
| FS Date: 3/13/2013  |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10163\_17342.jpg



Pipe at outlet on WS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 9.75                        | Rating **    | A/W | Issue No.              | 1567 (cont)   |
| LM End  | 9.75                        | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 38.862619 °            | 38.862619 °   |
|   |                             |              |     | -121.792510 °          | -121.792510 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10163   |                             |              |     |                        |               |
| DS_ID:20415   |                             |              |     |                        |               |
| EP_NO: 680  |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments:  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 42-inch steel pipe through levee 17.5 feet below crown. Screw gate on the waterward end. Pump on platform in canal on LS toe. 12-inch standpipe along alignment on LS toe. (Permit No. 680, 1936). Staff gauge to 47.0 feet on structure. Included in the 1960 O&M manual. |                             |              |     |                        |               |
| FS Date: 3/13/2013  |                             |              |     |                        |               |

Photo 2 of 3 : UCIP\_SP\_2017\_10163\_17341.jpg



12-inch steel standpipe at LS toe with 36-inch steel riser.

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>9.75</b> | Rating **    | A/W | Issue No.  | <b>1567 (cont)</b> |
| LM End   | <b>9.75</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10163\_17340.jpg



Pump on platform at LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 9.75                        | Rating **    | A/W | Issue No.              | 1568          |
| LM End   | 9.75                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862615 °            | 38.862615 °   |
|  |                             |              |     | -121.792582 °          | -121.792582 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10164<br>DS_ID:20232<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 1 of 5: 60-inch concrete culverts through levee 35.0 feet below crown. Screw gates on walkway at waterside shoulder. (O&M, 1960). Staff gauge to 47.0 feet on structure.<br>FS Date: 3/13/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10164\_17345.jpg



Slide gates at concrete headwall at river

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>9.75</b> | Rating **    | A/W | Issue No.  | <b>1568 (cont)</b> |
| LM End   | <b>9.75</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10164\_17344.jpg



Pipes at entrance to pumping plant building on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 9.75                        | Rating **    | A/W | Issue No.              | 1568 (cont)   |
| LM End   | 9.75                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862615 °            | 38.862615 °   |
|  |                             |              |     | -121.792582 °          | -121.792582 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10164<br>DS_ID:20232<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 1 of 5: 60-inch concrete culverts through levee 35.0 feet below crown. Screw gates on walkway at waterside shoulder. (O&M, 1960). Staff gauge to 47.0 feet on structure.<br>FS Date: 3/13/2013 |                             |              |     |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10164\_17343.jpg



Slide gate actuators on WS shoulder.

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 9.76                        | Rating **    | A/W | Issue No.              | 1569          |
| LM End   | 9.76                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862624 °            | 38.862624 °   |
|  |                             |              |     | -121.792626 °          | -121.792626 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10165  |                             |              |     |                        |               |
| DS_ID:20364  |                             |              |     |                        |               |
| EP_NO: N/A   |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 2 of 5: 60-inch concrete culverts through levee   |                             |              |     |                        |               |
| 35.0 feet below crown. Screw gate actuators on metal platform at     |                             |              |     |                        |               |
| waterward shoulder. Large pumping plant building on LS shoulder.     |                             |              |     |                        |               |
| Originally included in the 1960 O&M manual. Staff gauge to 47.0 feet |                             |              |     |                        |               |
| on structure.  |                             |              |     |                        |               |
| FS Date: 3/13/2013   |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10165\_17348.jpg



Slide gates and headwall on WS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 9.76                        | Rating **    | A/W | Issue No.              | 1569 (cont)   |
| LM End   | 9.76                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862624 °            | 38.862624 °   |
|  |                             |              |     | -121.792626 °          | -121.792626 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10165  |                             |              |     |                        |               |
| DS_ID:20364  |                             |              |     |                        |               |
| EP_NO: N/A   |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 2 of 5: 60-inch concrete culverts through levee   |                             |              |     |                        |               |
| 35.0 feet below crown. Screw gate actuators on metal platform at     |                             |              |     |                        |               |
| waterward shoulder. Large pumping plant building on LS shoulder.     |                             |              |     |                        |               |
| Originally included in the 1960 O&M manual. Staff gauge to 47.0 feet |                             |              |     |                        |               |
| on structure.  |                             |              |     |                        |               |
| FS Date: 3/13/2013   |                             |              |     |                        |               |

Photo 2 of 3 : UCIP\_SP\_2017\_10165\_17347.jpg



Pipes at inlet to pumphouse on LS toe.

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>9.76</b> | Rating **    | A/W | Issue No.  | <b>1569 (cont)</b> |
| LM End   | <b>9.76</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10165\_17346.jpg



Pumphouse on LS.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 9.76                        | Rating **    | A/W | Issue No.              | 1570          |
| LM End   | 9.76                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862633 °            | 38.862633 °   |
|  |                             |              |     | -121.792669 °          | -121.792669 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10168  |                             |              |     |                        |               |
| DS_ID:20365  |                             |              |     |                        |               |
| EP_NO: N/A   |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 3 of 5: 60-inch concrete culverts through levee   |                             |              |     |                        |               |
| 35.0 feet below crown. Screw gate actuators on metal platform at     |                             |              |     |                        |               |
| waterward shoulder. Large pumping plant building on LS shoulder.     |                             |              |     |                        |               |
| Originally included in the 1960 O&M manual. Staff gauge to 47.0 feet |                             |              |     |                        |               |
| on structure.  |                             |              |     |                        |               |
| FS Date: 3/13/2013   |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10168\_17360.jpg



Slide gate and concrete headwall on WS toe.

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>9.76</b> | Rating **    | A/W | Issue No.  | <b>1570 (cont)</b> |
| LM End   | <b>9.76</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10168\_17359.jpg



Pipe at inlet to pump house on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 9.76                        | Rating **    | A/W | Issue No.              | 1570 (cont)   |  |
| LM End   | 9.76                        | Issue Type + | Ma  | Location *             | WS            |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862633 °            | 38.862633 °   |  |
|  |                             |              |     | -121.792669 °          | -121.792669 ° |  |
| DWR ID   |                             |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:10168<br>DS_ID:20365<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 3 of 5: 60-inch concrete culverts through levee 35.0 feet below crown. Screw gate actuators on metal platform at waterward shoulder. Large pumping plant building on LS shoulder. Originally included in the 1960 O&M manual. Staff gauge to 47.0 feet on structure.<br>FS Date: 3/13/2013 |                             |              |     |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2017\_10168\_17358.jpg



Pumphouse on LS.

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 9.76                        | Rating **    | A/W | Issue No.              | 1571          |
| LM End   | 9.76                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862642 °            | 38.862642 °   |
|  |                             |              |     | -121.792713 °          | -121.792713 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10167  |                             |              |     |                        |               |
| DS_ID:20366  |                             |              |     |                        |               |
| EP_NO: N/A   |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 4 of 5: 60-inch concrete culverts through levee   |                             |              |     |                        |               |
| 35.0 feet below crown. Screw gate actuators on metal platform at     |                             |              |     |                        |               |
| waterward shoulder. Large pumping plant building on LS shoulder.     |                             |              |     |                        |               |
| Originally included in the 1960 O&M manual. Staff gauge to 47.0 feet |                             |              |     |                        |               |
| on structure.  |                             |              |     |                        |               |
| FS Date: 3/13/2013   |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10167\_17352.jpg



Slide gates and headwall at WS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 9.76                        | Rating **    | A/W | Issue No.              | 1571 (cont)   |
| LM End   | 9.76                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862642 °            | 38.862642 °   |
|  |                             |              |     | -121.792713 °          | -121.792713 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10167  |                             |              |     |                        |               |
| DS_ID:20366  |                             |              |     |                        |               |
| EP_NO: N/A   |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 4 of 5: 60-inch concrete culverts through levee   |                             |              |     |                        |               |
| 35.0 feet below crown. Screw gate actuators on metal platform at     |                             |              |     |                        |               |
| waterward shoulder. Large pumping plant building on LS shoulder.     |                             |              |     |                        |               |
| Originally included in the 1960 O&M manual. Staff gauge to 47.0 feet |                             |              |     |                        |               |
| on structure.  |                             |              |     |                        |               |
| FS Date: 3/13/2013   |                             |              |     |                        |               |

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>9.76</b> | Rating **    | A/W | Issue No.  | <b>1571 (cont)</b> |
| LM End   | <b>9.76</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10167\_17351.jpg



Pipes at inlet to pumping plant on LS toe.

Photo 3 of 3 : UCIP\_SP\_2017\_10167\_17350.jpg



Pumping plant on LS.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 9.76                        | Rating **    | A/W | Issue No.              | 1572          |
| LM End   | 9.76                        | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862650 °            | 38.862650 °   |
|  |                             |              |     | -121.792754 °          | -121.792754 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10169  |                             |              |     |                        |               |
| DS_ID:20367  |                             |              |     |                        |               |
| EP_NO: N/A   |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 5 of 5: 60-inch concrete culverts through levee   |                             |              |     |                        |               |
| 35.0 feet below crown. Screw gate actuators on metal platform at     |                             |              |     |                        |               |
| waterward shoulder. Large pumping plant building on LS shoulder.     |                             |              |     |                        |               |
| Originally included in the 1960 O&M manual. Staff gauge to 47.0 feet |                             |              |     |                        |               |
| on structure.  |                             |              |     |                        |               |
| FS Date: 3/13/2013   |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10169\_17364.jpg



Slide gates and concrete headwall on WS toe.

|          |             |              |     |            |                    |
|----------|-------------|--------------|-----|------------|--------------------|
| LM Start | <b>9.76</b> | Rating **    | A/W | Issue No.  | <b>1572 (cont)</b> |
| LM End   | <b>9.76</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10169\_17363.jpg



pipes at entrance to pump house on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 9.76                        | Rating **    | A/W | Issue No.              | 1572 (cont)   |  |
| LM End   | 9.76                        | Issue Type + | Ma  | Location *             | WS            |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 38.862650 °            | 38.862650 °   |  |
|  |                             |              |     | -121.792754 °          | -121.792754 ° |  |
| DWR ID   |                             |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:10169  |                             |              |     |                        |               |  |
| DS_ID:20367  |                             |              |     |                        |               |  |
| EP_NO: N/A   |                             |              |     |                        |               |  |
| Repair Type: No Action Needed  |                             |              |     |                        |               |  |
| Crossing Status: Found   |                             |              |     |                        |               |  |
| UCIP Comments:   |                             |              |     |                        |               |  |
| FIELD_STRUCT_DESC: 5 of 5: 60-inch concrete culverts through levee   |                             |              |     |                        |               |  |
| 35.0 feet below crown. Screw gate actuators on metal platform at     |                             |              |     |                        |               |  |
| waterward shoulder. Large pumping plant building on LS shoulder.     |                             |              |     |                        |               |  |
| Originally included in the 1960 O&M manual. Staff gauge to 47.0 feet |                             |              |     |                        |               |  |
| on structure.  |                             |              |     |                        |               |  |
| FS Date: 3/13/2013   |                             |              |     |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2017\_10169\_17362.jpg



Pumphouse on LS.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 9.95                     | Rating **    | U  | Issue No.              | 161           |
| LM End   | 10.04                    | Issue Type + | Ob | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Seepage / Sandboils      |              |    | 38.864759 °            | 38.865583 °   |
|  |                          |              |    | -121.794563 °          | -121.795685 ° |
| DWR ID   | DWR_NA0016_01_s_2016_161 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
|  |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_161\_20170320\_00085.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |  |
|--|--------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 9.95                     | Rating **    | U  | Issue No.              | 161 (cont)    |  |
| LM End   | 10.04                    | Issue Type + | Ob | Location *             | LS            |  |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |  |
|  |                          |              |    | Start                  | End           |  |
| Item   | Seepage / Sandboils      |              |    | 38.864759 °            | 38.865583 °   |  |
|  |                          |              |    | -121.794563 °          | -121.795685 ° |  |
| DWR ID   | DWR_NA0016_01_s_2016_161 |              |    |                        |               |  |
| Comment Code   |                          |              |    |                        |               |  |
|  |                          |              |    |                        |               |  |
| Inspector Comment  |                          |              |    |                        |               |  |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |               |  |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_161\_20170320\_00086.jpg



Stake shows LMA is monitoring the seepage. Spring 2016.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 10.18                    | Rating **    | M  | Issue No.              | 122           |
| LM End            | 10.18                    | Issue Type + | En | Location *             | WS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 38.865016 °            | 38.865016 °   |
|                   |                          |              |    | -121.798082 °          | -121.798082 ° |
| DWR ID            | DWR_NA0016_01_f_2016_122 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| PR : Prunings     |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_122\_20170320\_00068.jpg



Tree prunings on WS slope. Fall 2016 inspection.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 10.69                    | Rating **    | U  | Issue No.              | 163           |
| LM End   | 10.91                    | Issue Type + | Ob | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Seepage / Sandboils      |              |    | 38.866965 °            | 38.869808 °   |
|  |                          |              |    | -121.803600 °          | -121.804722 ° |
| DWR ID   | DWR_NA0016_01_s_2016_163 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
|  |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_163\_20170320\_00087.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |     |
|--|--------------------------|--------------|----|------------------------|---------------|-----|
| LM Start   | 10.69                    | Rating **    | U  | Issue No.              | 163 (cont)    |     |
| LM End   | 10.91                    | Issue Type + | Ob | Location *             | LS            |     |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |     |
|  |                          |              |    | Start                  |               | End |
| Item   | Seepage / Sandboils      |              |    | 38.866965 °            | 38.869808 °   |     |
|  |                          |              |    | -121.803600 °          | -121.804722 ° |     |
| DWR ID   | DWR_NA0016_01_s_2016_163 |              |    |                        |               |     |
| Comment Code   |                          |              |    |                        |               |     |
|  |                          |              |    |                        |               |     |
| Inspector Comment  |                          |              |    |                        |               |     |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |               |     |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_163\_20170320\_00088.jpg



Stake is planted on the shoulder of the levee on the landward side.  
Spring 2016.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.43                    | Rating **    | M  | Issue No.              | 227           |
| LM End   | 13.89                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.873740 °            | 38.903612 °   |
|  |                          |              |    | -121.812649 °          | -121.805881 ° |
| DWR ID   | DWR_NA0016_01_s_2017_227 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.43                    | Rating **    | M  | Issue No.              | 229           |
| LM End   | 13.97                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.873740 °            | 38.904765 °   |
|  |                          |              |    | -121.812649 °          | -121.806444 ° |
| DWR ID   | DWR_NA0016_01_s_2017_229 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                                  |              |    |                        |               |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start  | 11.50                            | Rating **    | M  | Issue No.              | 7             |
| LM End  | 11.53                            | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|   |                                  |              |    | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |    | 38.874854 °            | 38.875109 °   |
|   |                                  |              |    | -121.813018 °          | -121.813592 ° |
| DWR ID  | DWR_NA0016_01_s _ 2016_7         |              |    |                        |               |
| Comment Code  |                                  |              |    |                        |               |
|   |                                  |              |    |                        |               |
| Inspector Comment   |                                  |              |    |                        |               |
| 1997 - Toe damage and loss of cobble revetment and small patch of local damage to the cobble revetment. 2000 - Cohesive vertical toe; revegetation site. 2015: No observed changes. [2015 Site ID: SAC_101-3_R] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_7\_20170320\_00007.jpg



USACE 2013 Photo #1

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 11.71                      | Rating **    | M  | Issue No.              | 966           |
| LM End   | 11.71                      | Issue Type + | En | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Encroachments              |              |    | 38.876865 °            | 38.876865 °   |
|  |                            |              |    | -121.816095 °          | -121.816095 ° |
| DWR ID   | DWR_NA0016_01_s _ 2012_966 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| CR : Crops   |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
| New walnut orchard between toe and river with approximately 80-90 trees. |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_966\_20170320\_00112.jpg



View of the walnut orchard planted on the waterward side of the levee looking upstream. Fall 2015.

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start                                       | 12.82                      | Rating **    | M  | Issue No.              | 230           |
| LM End   | 13.89                      | Issue Type + | En | Location *             | LS            |
| Category                                       | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Encroachments              |              |    | 38.890985 °            | 38.903612 °   |
|  |                            |              |    | -121.811742 °          | -121.805881 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_230 |              |    |                        |               |
| Comment Code                                   |                            |              |    |                        |               |
| DT : Ditch                                     |                            |              |    |                        |               |
| Inspector Comment                              |                            |              |    |                        |               |
| Concrete lined ditch along landside levee toe. |                            |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 13.98                    | Rating **    | C  | Issue No.              | 167           |
| LM End  | 13.98                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Animal Control           |              |    | 38.904886 °            | 38.904886 °   |
|   |                          |              |    | -121.806490 °          | -121.806490 ° |
| DWR ID  | DWR_NA0016_01_s_2017_167 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
| Foxhole is close to the levee toe.  |                          |              |    |                        |               |

No Photos

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 14.72                    | Rating **    | C  | Issue No.              | 120           |
| LM End            | 14.72                    | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 38.911576 °            | 38.911576 °   |
|                   |                          |              |    | -121.816376 °          | -121.816376 ° |
| DWR ID            | DWR_NA0016_01_f_2016_120 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| PR : Prunings     |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

No Photos

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 16.22                | Rating **    | M  | Issue No.              | 1573          |
| LM End   | 16.22                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.923407 °            | 38.923407 °   |
|  |                      |              |    | -121.834588 °          | -121.834588 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10203  |                      |              |    |                        |               |
| DS_ID:20432  |                      |              |    |                        |               |
| EP_NO: N/A   |                      |              |    |                        |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |               |
| Crossing Status: Found   |                      |              |    |                        |               |
| UCIP Comments: Need to determine if this is a permitted crossing as it was not previously noted. Need to determine size and depth below the crown. |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: Gas line through levee at unknown depth below the crown. Marker on WS shoulder.   |                      |              |    |                        |               |
| FS Date: 3/13/2013   |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2017\_10203\_17399.jpg



Gasline marker on WS shoulder.

|          |       |              |    |            |             |
|----------|-------|--------------|----|------------|-------------|
| LM Start | 16.22 | Rating **    | M  | Issue No.  | 1573 (cont) |
| LM End   | 16.22 | Issue Type + | En | Location * | WS          |

Photo 2 of 2 : UCIP\_SP\_2017\_10203\_17398.jpg



Gasline marker on WS shoulder.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 17.61                      | Rating **    | M  | Issue No.              | 232           |
| LM End   | 18.54                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 38.940014 °            | 38.951462 °   |
|  |                            |              |    | -121.832406 °          | -121.838279 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_232 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 17.61                      | Rating **    | M  | Issue No.              | 231           |
| LM End   | 18.54                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 38.940016 °            | 38.951462 °   |
|  |                            |              |    | -121.832411 °          | -121.838282 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_231 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|   |                            |              |    |                        |               |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 17.64                      | Rating **    | M  | Issue No.              | 233           |
| LM End  | 17.64                      | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|   |                            |              |    | Start                  | End           |
| Item  | Animal Control             |              |    | 38.940171 °            | 38.940171 °   |
|   |                            |              |    | -121.832771 °          | -121.832771 ° |
| DWR ID  | DWR_NA0016_01_s _ 2017_233 |              |    |                        |               |
| Comment Code  |                            |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                            |              |    |                        |               |
| Inspector Comment   |                            |              |    |                        |               |
| Rodent burrow on landside levee slope.  |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_233\_20170417\_00341.jpg



Rodent burrow on landside levee slope. Spring 2017.

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

## Levee Inspection Report By Mile - Spring 2017

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

Photo 1 of 1 : UCIP\_SP\_2017\_11323\_18720.jpg

WARNING  
12,000 VOLT ELECTRICAL LINE  
BURIED 6 FT. FROM FACE OF SIGN

03/13/2013 11:49

Sign on LS shoulder.

Photo 1 of 1 : SP\_2017\_NA0016\_435\_15\_20170320\_00014.jpg



03/16/2016

View of the ditch on the landward side of the levee looking upstream.  
Spring 2016.

| * Location                             | ** Rating   | + Issue Type                      |
|--|---|-----------------------------------|
| LS : Land Side    N/A : Not Applicable | A : Acceptable                      N : Not Inspected/Rated                   | Ma : Maintenance Deficiency       |
| WS : Water Side                        | M : Minimally Acceptable                      C : Corrected                   | Ob : Design & System Obsolescence |
| CR : Crown                             | U : Unacceptable                      A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 18.48                    | Rating **    | C  | Issue No.              | 113           |
| LM End   | 18.48                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.950585 °            | 38.950585 °   |
|  |                          |              |    | -121.837952 °          | -121.837952 ° |
| DWR ID   | DWR_NA0016_01_f_2016_113 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V2 : Remove the wild growth other than native grasses from the levee slopes. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 18.54                   | Rating **    | M  | Issue No.              | 16            |
| LM End            | 18.54                   | Issue Type + | En | Location *             | CR            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.951400 °            | 38.951400 °   |
|                   |                         |              |    | -121.838255 °          | -121.838255 ° |
| DWR ID            | DWR_NA0016_01_s_2012_16 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| BU : Building     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_16\_20170320\_00015.jpg



View of the rice mill on the crown of the levee looking upstream. Spring 2016.

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 18.54                   | Rating **    | C  | Issue No.              | 18            |
| LM End            | 18.54                   | Issue Type + | En | Location *             | WS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Vegetation              |              |    | 38.951464 °            | 38.951464 °   |
|                   |                         |              |    | -121.838293 °          | -121.838293 ° |
| DWR ID            | DWR_NA0016_01_s_2012_18 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| V6 : Landscaping  |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 18.66                    | Rating **    | M  | Issue No.              | 173           |
| LM End            | 18.70                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Vegetation               |              |    | 38.952765 °            | 38.953219 °   |
|                   |                          |              |    | -121.839661 °          | -121.840199 ° |
| DWR ID            | DWR_NA0016_01_s_2016_173 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| V6 : Landscaping  |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_173\_20170320\_00091.jpg



View of the landscaping on the landward side of the levee looking upstream. Spring 2016.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>18.66</b> | Rating **    | M  | Issue No.  | <b>173 (cont)</b> |
| LM End   | <b>18.70</b> | Issue Type + | En | Location * | LS                |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_173\_20170320\_00092.jpg



Irrigated landscaping on landside slope of the levee reaching levee crown. Fall 2016 inspection.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 18.70                    | Rating **    | M  | Issue No.              | 182           |
| LM End   | 21.41                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.953219 °            | 38.981885 °   |
|  |                          |              |    | -121.840199 °          | -121.821827 ° |
| DWR ID   | DWR_NA0016_01_s_2017_182 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 18.70                    | Rating **    | M  | Issue No.              | 183           |
| LM End   | 21.41                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.953220 °            | 38.981884 °   |
|  |                          |              |    | -121.840198 °          | -121.821826 ° |
| DWR ID   | DWR_NA0016_01_s_2017_183 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

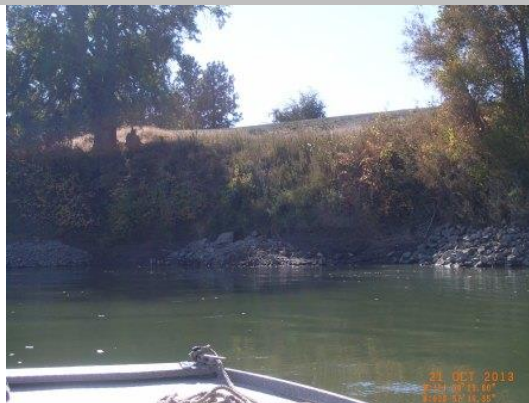
No Photos

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 18.71                    | Rating **    | C  | Issue No.              | 128           |
| LM End  | 18.71                    | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Trim / Thin Trees        |              |    | 38.953270 °            | 38.953270 °   |
|   |                          |              |    | -121.840232 °          | -121.840232 ° |
| DWR ID  | DWR_NA0016_01_f_2015_128 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
|   |                          |              |    |                        |               |

No Photos

|  |                                  |              |    |                        |               |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 18.76                            | Rating **    | M  | Issue No.              | 10            |
| LM End   | 18.78                            | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|  |                                  |              |    | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |    | 38.954060 °            | 38.954312 °   |
|  |                                  |              |    | -121.840560 °          | -121.840774 ° |
| DWR ID   | DWR_NA0016_01_s_2016_10          |              |    |                        |               |
| Comment Code   |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
| Inspector Comment  |                                  |              |    |                        |               |
| 2009 - Minor erosion, should be repaired under maintenance. 2011 - Some new minor erosion at the toe. 2015: No observed changes. [2015 Site ID: SAC_111-0_R] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_10\_20170320\_00010.jpg



USACE 2013 Photo #1

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                           |              |    |                        |               |
|-------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start          | 18.83                     | Rating **    | M  | Issue No.              | 22            |
| LM End            | 18.88                     | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|                   |                           |              |    | Start                  | End           |
| Item              | Encroachments             |              |    | 38.954756 °            | 38.955499 °   |
|                   |                           |              |    | -121.841432 °          | -121.841271 ° |
| DWR ID            | DWR_NA0016_01_s _ 2012_22 |              |    |                        |               |
| Comment Code      |                           |              |    |                        |               |
| DT : Ditch        |                           |              |    |                        |               |
| Inspector Comment |                           |              |    |                        |               |
| concrete lined    |                           |              |    |                        |               |

No Photos

|                   |                            |              |    |                        |               |
|-------------------|----------------------------|--------------|----|------------------------|---------------|
| LM Start          | 18.92                      | Rating **    | M  | Issue No.              | 186           |
| LM End            | 18.92                      | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|                   |                            |              |    | Start                  | End           |
| Item              | Encroachments              |              |    | 38.955896 °            | 38.955896 °   |
|                   |                            |              |    | -121.840712 °          | -121.840712 ° |
| DWR ID            | DWR_NA0016_01_s _ 2017_186 |              |    |                        |               |
| Comment Code      |                            |              |    |                        |               |
| TR : Tree or limb |                            |              |    |                        |               |
| Inspector Comment |                            |              |    |                        |               |
|                   |                            |              |    |                        |               |

No Photos

|                   |                            |              |    |                        |               |
|-------------------|----------------------------|--------------|----|------------------------|---------------|
| LM Start          | 19.04                      | Rating **    | M  | Issue No.              | 185           |
| LM End            | 19.04                      | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|                   |                            |              |    | Start                  | End           |
| Item              | Encroachments              |              |    | 38.956618 °            | 38.956618 °   |
|                   |                            |              |    | -121.838748 °          | -121.838748 ° |
| DWR ID            | DWR_NA0016_01_s _ 2017_185 |              |    |                        |               |
| Comment Code      |                            |              |    |                        |               |
| TR : Tree or limb |                            |              |    |                        |               |
| Inspector Comment |                            |              |    |                        |               |
|                   |                            |              |    |                        |               |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 19.12                   | Rating **    | M  | Issue No.              | 26            |
| LM End            | 19.12                   | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.957180 °            | 38.957180 °   |
|                   |                         |              |    | -121.837442 °          | -121.837442 ° |
| DWR ID            | DWR_NA0016_01_s_2012_26 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| EQ : Equipment    |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_26\_20170320\_00020.jpg



View of the equipment on the crown of the levee looking upstream.  
Beehives have been removed. Spring 2016.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 19.15                   | Rating **    | M  | Issue No.              | 31            |
| LM End   | 19.61                   | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 38.957405 °            | 38.962648 °   |
|  |                         |              |    | -121.836965 °          | -121.834368 ° |
| DWR ID   | DWR_NA0016_01_s_2012_31 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| DT : Ditch   |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Concrete lined ditch up to LM 19.40. Soil ditch continues on until LM 19.61. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_31\_20170320\_00025.jpg



View of the ditch on the landward side of the levee looking upstream.  
Spring 2016.

|          |              |              |    |            |                  |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | <b>19.15</b> | Rating **    | M  | Issue No.  | <b>31 (cont)</b> |
| LM End   | <b>19.61</b> | Issue Type + | En | Location * | LS               |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_31\_20170320\_00026.jpg



Concrete lined ditch stops at levee mile 19.40.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 19.37                   | Rating **    | M  | Issue No.              | 96            |
| LM End            | 19.37                   | Issue Type + | En | Location *             | WS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.959642 °            | 38.959642 °   |
|                   |                         |              |    | -121.834004 °          | -121.834004 ° |
| DWR ID            | DWR_NA0016_01_s_2015_96 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| BU : Building     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_96\_20170320\_00046.jpg



View of the building on the waterward side of the levee looking upstream. Spring 2015.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 19.50                | Rating **    | M  | Issue No.              | 1575          |
| LM End   | 19.50                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.961221 °            | 38.961221 °   |
|  |                      |              |    | -121.833230 °          | -121.833230 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10253<br>DS_ID:20246<br>EP_NO: 1507<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe appears abandoned. Needs to be abandoned properly.<br>FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through levee 8.4 feet below crown. Gate valve on the waterward side, siphon breaker in 24-inch CMP riser on the landward slope. Concrete distribution box in irrigation ditch at the toe of the landward slope (Permit No. 1507, 1959). Included in the 1960 O&M manual.<br>FS Date: 3/13/2013 |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2017\_10253\_17449.jpg



CMP Riser on shoulder and concrete distribution box under heavy blackberry cover at LS toe.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 19.50                | Rating **    | M  | Issue No.              | 1575 (cont)   |
| LM End   | 19.50                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.961221 °            | 38.961221 °   |
|  |                      |              |    | -121.833230 °          | -121.833230 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10253<br>DS_ID:20246<br>EP_NO: 1507<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe appears abandoned. Needs to be abandoned properly.<br>FIELD_STRUCT_DESC: 14-inch steel irrigation pipe through levee 8.4 feet below crown. Gate valve on the waterward side, siphon breaker in 24-inch CMP riser on the landward slope. Concrete distribution box in irrigation ditch at the toe of the landward slope (Permit No. 1507, 1959). Included in the 1960 O&M manual.<br>FS Date: 3/13/2013 |                      |              |    |                        |               |

Photo 2 of 2 : UCIP\_SP\_2017\_10253\_17448.jpg



Concrete distribution box under heavy blackberry cover at LS toe.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 20.07                    | Rating **    | U  | Issue No.              | 176           |
| LM End   | 20.21                    | Issue Type + | Ob | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Seepage / Sandboils      |              |    | 38.968952 °            | 38.970733 °   |
|  |                          |              |    | -121.835239 °          | -121.833896 ° |
| DWR ID   | DWR_NA0016_01_s_2016_176 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
|  |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_176\_20170320\_00093.jpg

View of the seepage on the landward side of the levee looking upstream.  
Spring 2016.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |            |               |
|--|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start   | 20.07                    | Rating **    | U  | Issue No.              | 176 (cont) |               |
| LM End   | 20.21                    | Issue Type + | Ob | Location *             | LS         |               |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |            |               |
|  |                          |              |    | Start                  |            | End           |
| Item   | Seepage / Sandboils      |              |    | 38.968952 °            |            | 38.970733 °   |
|  |                          |              |    | -121.835239 °          |            | -121.833896 ° |
| DWR ID   | DWR_NA0016_01_s_2016_176 |              |    |                        |            |               |
| Comment Code   |                          |              |    |                        |            |               |
|  |                          |              |    |                        |            |               |
| Inspector Comment  |                          |              |    |                        |            |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |            |               |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_176\_20170320\_00094.jpg



Monitoring stake for the seepage. Spring 2016.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 20.55                    | Rating **    | M  | Issue No.              | 184           |
| LM End            | 20.55                    | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 38.973506 °            | 38.973506 °   |
|                   |                          |              |    | -121.828660 °          | -121.828660 ° |
| DWR ID            | DWR_NA0016_01_s_2017_184 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| TR : Tree or limb |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

No Photos

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 20.92                   | Rating **    | M  | Issue No.              | 32            |
| LM End            | 22.08                   | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 38.974864 °            | 38.989476 °   |
|                   |                         |              |    | -121.822286 °          | -121.816760 ° |
| DWR ID            | DWR_NA0016_01_s_2012_32 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| DT : Ditch        |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 21.89                    | Rating **    | M  | Issue No.              | 179           |
| LM End  | 21.89                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Animal Control           |              |    | 38.988449 °            | 38.988449 °   |
|   |                          |              |    | -121.820009 °          | -121.820009 ° |
| DWR ID  | DWR_NA0016_01_s_2016_179 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
|   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_179\_20170320\_00095.jpg



View of the rodent hole on the landward side of the levee looking upstream. Spring 2016.

|                                  |                         |              |     |                        |               |
|----------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 22.12                   | Rating **    | A/W | Issue No.              | 30            |
| LM End                           | 22.42                   | Issue Type + | Ob  | Location *             | WS            |
| Category                         | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                  |                         |              |     | Start                  | End           |
| Item                             | Vegetation              |              |     | 38.989528 °            | 38.989722 °   |
|                                  |                         |              |     | -121.816020 °          | -121.810488 ° |
| DWR ID                           | DWR_NA0016_01_s_2012_30 |              |     |                        |               |
| Comment Code                     |                         |              |     |                        |               |
| V8 : Environmental Requirements. |                         |              |     |                        |               |
| Inspector Comment                |                         |              |     |                        |               |
|                                  |                         |              |     |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_30\_20170320\_00023.jpg



Revegetation site. Photo taken spring 2012.

|          |              |              |     |            |                  |
|----------|--------------|--------------|-----|------------|------------------|
| LM Start | <b>22.12</b> | Rating **    | A/W | Issue No.  | <b>30 (cont)</b> |
| LM End   | <b>22.42</b> | Issue Type + | Ob  | Location * | WS               |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_30\_20170320\_00024.jpg



View of the revegetation on the waterward berm of the levee looking upstream. Spring 2016.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 22.71                | Rating **    | M  | Issue No.              | 1576          |
| LM End  | 22.71                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 38.989862 °            | 38.989862 °   |
|   |                      |              |    | -121.805243 °          | -121.805243 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10266   |                      |              |    |                        |               |
| DS_ID:20248   |                      |              |    |                        |               |
| EP_NO: N/A  |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Found  |                      |              |    |                        |               |
| UCIP Comments: Pipe needs to be verified as having been properly abandoned.   |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 24-inch pipe through levee 19.5 feet below crown. Abandoned concrete pumphouse on waterward toe. Originally included in the 1960 O&M manual. |                      |              |    |                        |               |
| FS Date: 3/14/2013  |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2017\_10266\_17490.jpg



Concrete pumphouse on WS berm.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>22.71</b> | Rating **    | M  | Issue No.  | <b>1576 (cont)</b> |
| LM End   | <b>22.71</b> | Issue Type + | En | Location * | WS                 |

Photo 2 of 2 : UCIP\_SP\_2017\_10266\_17489.jpg



Concrete box on LS toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 22.89                    | Rating **    | C  | Issue No.              | 130           |
| LM End  | 22.89                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Trim / Thin Trees        |              |    | 38.990324 °            | 38.990324 °   |
|   |                          |              |    | -121.801905 °          | -121.801905 ° |
| DWR ID  | DWR_NA0016_01_f_2015_130 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
|   |                          |              |    |                        |               |

No Photos

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 23.16                    | Rating **    | M  | Issue No.              | 181           |
| LM End   | 23.72                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.992966 °            | 38.998362 °   |
|  |                          |              |    | -121.798268 °          | -121.800543 ° |
| DWR ID   | DWR_NA0016_01_s_2017_181 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 23.16                    | Rating **    | M  | Issue No.              | 178           |
| LM End   | 25.56                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 38.992966 °            | 39.012023 °   |
|  |                          |              |    | -121.798268 °          | -121.828084 ° |
| DWR ID   | DWR_NA0016_01_s_2017_178 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                                  |              |    |                        |               |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start  | 23.55                            | Rating **    | M  | Issue No.              | 11            |
| LM End  | 23.65                            | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|   |                                  |              |    | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |    | 38.997696 °            | 38.998336 °   |
|   |                                  |              |    | -121.797584 °          | -121.799298 ° |
| DWR ID  | DWR_NA0016_01_s_2016_11          |              |    |                        |               |
| Comment Code  |                                  |              |    |                        |               |
|   |                                  |              |    |                        |               |
| Inspector Comment   |                                  |              |    |                        |               |
| 2008 - Slippage of cobbles off hard underlying toe material. 2011 - Minor slumping site. 2012 - Failing cobble site, site extended upstream. 2015: No observed changes. [2015 Site ID: SAC_115-9_R] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_11\_20170320\_00011.jpg



USACE 2013 Photo #1

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 23.70                | Rating **    | M  | Issue No.              | 1577          |
| LM End   | 23.70                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 38.998247 °            | 38.998247 °   |
|  |                      |              |    | -121.800236 °          | -121.800236 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10261<br>DS_ID:20249<br>EP_NO: 9374<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Appears abandoned. Pipe should be properly abandoned.<br>FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal pipe through levee 20.0 feet below crown. One corrugated metal cutoff wall installed by United States Army Corp of Engineers, 1955. Slide gate in 36-inch corrugated metal riser on the waterward slope. Pump on the waterward bank. Concrete standpipe at toe of the landward slope (ABO No. 9374, 1974). Originally included in the 1960 O&M manual.<br>FS Date: 3/14/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10261\_17466.jpg



36-inch cmp riser on WS slope with slide gate.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |             |               |
|--|----------------------|--------------|----|------------------------|-------------|---------------|
| LM Start   | 23.70                | Rating **    | M  | Issue No.              | 1577 (cont) |               |
| LM End   | 23.70                | Issue Type + | En | Location *             | WS          |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |             |               |
|  |                      |              |    | Start                  |             | End           |
| Item   | DWR UCIP Field Study |              |    | 38.998247 °            |             | 38.998247 °   |
|  |                      |              |    | -121.800236 °          |             | -121.800236 ° |
| DWR ID   |                      |              |    |                        |             |               |
| Comment Code   |                      |              |    |                        |             |               |
|  |                      |              |    |                        |             |               |
| Inspector Comment  |                      |              |    |                        |             |               |
| FS_ID:10261  |                      |              |    |                        |             |               |
| DS_ID:20249  |                      |              |    |                        |             |               |
| EP_NO: 9374  |                      |              |    |                        |             |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |             |               |
| Crossing Status: Found   |                      |              |    |                        |             |               |
| UCIP Comments: Appears abandoned. Pipe should be properly abandoned.   |                      |              |    |                        |             |               |
| FIELD_STRUCT_DESC: 1 of 4: 36-inch corrugated metal pipe through levee 20.0 feet below crown. One corrugated metal cutoff wall installed by United States Army Corp of Engineers, 1955. Slide gate in 36-inch corrugated metal riser on the waterward slope. Pump on the waterward bank. Concrete standpipe at toe of the landward slope (ABO No. 9374, 1974). Originally included in the 1960 O&M manual. |                      |              |    |                        |             |               |
| FS Date: 3/14/2013   |                      |              |    |                        |             |               |

Photo 2 of 3 : UCIP\_SP\_2017\_10261\_17465.jpg



Concrete distribution riser on LS toe.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>23.70</b> | Rating **    | M  | Issue No.  | <b>1577 (cont)</b> |
| LM End   | <b>23.70</b> | Issue Type + | En | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10261\_17464.jpg



abandoned pump platform on Rivers edge.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 24.16                    | Rating **    | M  | Issue No.              | 180           |
| LM End   | 25.56                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 39.002891 °            | 39.012023 °   |
|  |                          |              |    | -121.806398 °          | -121.828084 ° |
| DWR ID   | DWR_NA0016_01_s_2017_180 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 24.73                | Rating **    | M  | Issue No.              | 1578          |
| LM End  | 24.73                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.005097 °            | 39.005097 °   |
|   |                      |              |    | -121.816116 °          | -121.816116 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10265   |                      |              |    |                        |               |
| DS_ID:20251   |                      |              |    |                        |               |
| EP_NO: 9328   |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Found  |                      |              |    |                        |               |
| UCIP Comments: Appears abandoned. Needs to be abandoned properly.   |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 20.0 feet below crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. 7'X9' Distribution box at toe of the landward slope (ABO. No. 9328, 1960) |                      |              |    |                        |               |
| FS Date: 3/14/2013  |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2017\_10265\_17486.jpg



Slide gate in 36-inch CMP riser on WS slope.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |             |               |
|---|----------------------|--------------|----|------------------------|-------------|---------------|
| LM Start  | 24.73                | Rating **    | M  | Issue No.              | 1578 (cont) |               |
| LM End  | 24.73                | Issue Type + | En | Location *             | WS          |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |             |               |
|   |                      |              |    | Start                  |             | End           |
| Item  | DWR UCIP Field Study |              |    | 39.005097 °            |             | 39.005097 °   |
|   |                      |              |    | -121.816116 °          |             | -121.816116 ° |
| DWR ID  |                      |              |    |                        |             |               |
| Comment Code  |                      |              |    |                        |             |               |
|   |                      |              |    |                        |             |               |
| Inspector Comment   |                      |              |    |                        |             |               |
| FS_ID:10265   |                      |              |    |                        |             |               |
| DS_ID:20251   |                      |              |    |                        |             |               |
| EP_NO: 9328   |                      |              |    |                        |             |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |             |               |
| Crossing Status: Found  |                      |              |    |                        |             |               |
| UCIP Comments: Appears abandoned. Needs to be abandoned properly.   |                      |              |    |                        |             |               |
| FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through levee 20.0 feet below crown. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. 7'X9' Distribution box at toe of the landward slope (ABO. No. 9328, 1960) |                      |              |    |                        |             |               |
| FS Date: 3/14/2013  |                      |              |    |                        |             |               |

Photo 2 of 2 : UCIP\_SP\_2017\_10265\_17485.jpg



7-foot by 9-foot distribution box at LS toe.

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 25.56                       | Rating **    | A/W | Issue No.              | 1579          |
| LM End  | 25.56                       | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.012322 °            | 39.012322 °   |
|   |                             |              |     | -121.827892 °          | -121.827892 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10271   |                             |              |     |                        |               |
| DS_ID:20252   |                             |              |     |                        |               |
| EP_NO: 9354   |                             |              |     |                        |               |
| Repair Type: No Action Needed   |                             |              |     |                        |               |
| Crossing Status: Found  |                             |              |     |                        |               |
| UCIP Comments:  |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 1 of 6: 5'x5' reinforced concrete culverts through levee 40.0 feet below crown (App. No. 9354, 1960). Control gates on the landward and waterward shoulder. Pumps on the waterward berm. |                             |              |     |                        |               |
| FS Date: 3/14/2013  |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10271\_17501.jpg



Pumphouse on WS shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|          |                             |              |     |                        |               |
|----------|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start | 25.56                       | Rating **    | A/W | Issue No.              | 1579 (cont)   |
| LM End   | 25.56                       | Issue Type + | Ma  | Location *             | WS            |
| Category | Supplemental                |              |     | GPS Latitude/Longitude |               |
|          |                             |              |     | Start                  | End           |
| Item     | DWR UCIP LMA Responsibility |              |     | 39.012322 °            | 39.012322 °   |
|          |                             |              |     | -121.827892 °          | -121.827892 ° |
| DWR ID   |                             |              |     |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:10271  
DS\_ID:20252  
EP\_NO: 9354  
Repair Type: No Action Needed  
Crossing Status: Found  
UCIP Comments:  
FIELD\_STRUCT\_DESC: 1 of 6: 5'x5' reinforced concrete culverts through levee 40.0 feet below crown (App. No. 9354, 1960). Control gates on the landward and waterward shoulder. Pumps on the waterward berm.  
FS Date: 3/14/2013

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>25.56</b> | Rating **    | A/W | Issue No.  | <b>1579 (cont)</b> |
| LM End   | <b>25.56</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10271\_17500.jpg



Slide gates on LS shoulder.

Photo 3 of 3 : UCIP\_SP\_2017\_10271\_17499.jpg



Walkway and gates at LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 25.57                       | Rating **    | A/W | Issue No.              | 1580          |
| LM End  | 25.57                       | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.012336 °            | 39.012336 °   |
|   |                             |              |     | -121.827902 °          | -121.827902 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10284<br>DS_ID:20370<br>EP_NO: 9354<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 2 of 6: 5'x5' reinforced concrete culverts through levee 40.0 feet below crown (Permit No. 9354, 1960). Control gates on the landward and waterward shoulder. Pumps on the waterward berm.<br>FS Date: 3/14/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10284\_17530.jpg



Pumphouse on WS shoulder

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>25.57</b> | Rating **    | A/W | Issue No.  | <b>1580 (cont)</b> |
| LM End   | <b>25.57</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10284\_17529.jpg



Slide gates on LS shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |             |               |
|---|-----------------------------|--------------|-----|------------------------|-------------|---------------|
| LM Start  | 25.57                       | Rating **    | A/W | Issue No.              | 1580 (cont) |               |
| LM End  | 25.57                       | Issue Type + | Ma  | Location *             | WS          |               |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |             |               |
|   |                             |              |     | Start                  |             | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.012336 °            |             | 39.012336 °   |
|   |                             |              |     | -121.827902 °          |             | -121.827902 ° |
| DWR ID  |                             |              |     |                        |             |               |
| Comment Code  |                             |              |     |                        |             |               |
|   |                             |              |     |                        |             |               |
| Inspector Comment   |                             |              |     |                        |             |               |
| FS_ID:10284<br>DS_ID:20370<br>EP_NO: 9354<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 2 of 6: 5'x5' reinforced concrete culverts through levee 40.0 feet below crown (Permit No. 9354, 1960). Control gates on the landward and waterward shoulder. Pumps on the waterward berm.<br>FS Date: 3/14/2013 |                             |              |     |                        |             |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10284\_17528.jpg



Walkway and gates in canal at LS toe.

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 25.57                       | Rating **    | A/W | Issue No.              | 1581          |
| LM End  | 25.57                       | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.012350 °            | 39.012350 °   |
|   |                             |              |     | -121.827912 °          | -121.827912 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10273<br>DS_ID:20371<br>EP_NO: 9354<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 3 of 6: 5'x5' reinforced concrete culverts through levee 40.0 feet below crown (Permit No. 9354, 1960). Control gates on the landward and waterward shoulder. Pumps on the waterward berm.<br>FS Date: 3/14/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10273\_17504.jpg



Pumphouse on WS shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 25.57                       | Rating **    | A/W | Issue No.              | 1581 (cont)   |
| LM End  | 25.57                       | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.012350 °            | 39.012350 °   |
|   |                             |              |     | -121.827912 °          | -121.827912 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10273<br>DS_ID:20371<br>EP_NO: 9354<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 3 of 6: 5'x5' reinforced concrete culverts through levee 40.0 feet below crown (Permit No. 9354, 1960). Control gates on the landward and waterward shoulder. Pumps on the waterward berm.<br>FS Date: 3/14/2013 |                             |              |     |                        |               |

Photo 2 of 3 : UCIP\_SP\_2017\_10273\_17503.jpg



Slide gates on LS shoulder

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>25.57</b> | Rating **    | A/W | Issue No.  | <b>1581 (cont)</b> |
| LM End   | <b>25.57</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10273\_17502.jpg



Walkway and gates on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 25.57                       | Rating **    | A/W | Issue No.              | 1582          |
| LM End   | 25.57                       | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.012365 °            | 39.012365 °   |
|  |                             |              |     | -121.827921 °          | -121.827921 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10277  |                             |              |     |                        |               |
| DS_ID:20372  |                             |              |     |                        |               |
| EP_NO: 9354  |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 4 of 6: 5'x5' reinforced concrete culverts        |                             |              |     |                        |               |
| through levee 40.0 feet below crown (Permit No. 9354, 1960). Control |                             |              |     |                        |               |
| gates on the landward and waterward shoulder. Pumps on the           |                             |              |     |                        |               |
| waterward berm.  |                             |              |     |                        |               |
| FS Date: 3/14/2013   |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10277\_17516.jpg



Pumphouse on WS shoulder.

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>25.57</b> | Rating **    | A/W | Issue No.  | <b>1582 (cont)</b> |
| LM End   | <b>25.57</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10277\_17515.jpg



Slide gates on LS shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |     |                        |               |  |
|---|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start  | 25.57                       | Rating **    | A/W | Issue No.              | 1582 (cont)   |  |
| LM End  | 25.57                       | Issue Type + | Ma  | Location *             | WS            |  |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|   |                             |              |     | Start                  | End           |  |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.012365 °            | 39.012365 °   |  |
|   |                             |              |     | -121.827921 °          | -121.827921 ° |  |
| DWR ID  |                             |              |     |                        |               |  |
| Comment Code  |                             |              |     |                        |               |  |
|   |                             |              |     |                        |               |  |
| Inspector Comment   |                             |              |     |                        |               |  |
| FS_ID:10277<br>DS_ID:20372<br>EP_NO: 9354<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 4 of 6: 5'x5' reinforced concrete culverts through levee 40.0 feet below crown (Permit No. 9354, 1960). Control gates on the landward and waterward shoulder. Pumps on the waterward berm.<br>FS Date: 3/14/2013 |                             |              |     |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2017\_10277\_17514.jpg



Walkway and gates along LS toe.

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 25.57                       | Rating **    | A/W | Issue No.              | 1583          |
| LM End  | 25.57                       | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.012383 °            | 39.012383 °   |
|   |                             |              |     | -121.827921 °          | -121.827921 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10278<br>DS_ID:20373<br>EP_NO: 9354<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 5 of 6: 5'x5' reinforced concrete culverts through levee 40.0 feet below crown (Permit No. 9354, 1960). Control gates on the landward and waterward shoulder. Pumps on the waterward berm.<br>FS Date: 3/14/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10278\_17519.jpg



Pumphouse on WS shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 25.57                       | Rating **    | A/W | Issue No.              | 1583 (cont)   |  |
| LM End   | 25.57                       | Issue Type + | Ma  | Location *             | WS            |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.012383 °            | 39.012383 °   |  |
|  |                             |              |     | -121.827921 °          | -121.827921 ° |  |
| DWR ID   |                             |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:10278  |                             |              |     |                        |               |  |
| DS_ID:20373  |                             |              |     |                        |               |  |
| EP_NO: 9354  |                             |              |     |                        |               |  |
| Repair Type: No Action Needed  |                             |              |     |                        |               |  |
| Crossing Status: Found   |                             |              |     |                        |               |  |
| UCIP Comments:   |                             |              |     |                        |               |  |
| FIELD_STRUCT_DESC: 5 of 6: 5'x5' reinforced concrete culverts        |                             |              |     |                        |               |  |
| through levee 40.0 feet below crown (Permit No. 9354, 1960). Control |                             |              |     |                        |               |  |
| gates on the landward and waterward shoulder. Pumps on the           |                             |              |     |                        |               |  |
| waterward berm.  |                             |              |     |                        |               |  |
| FS Date: 3/14/2013   |                             |              |     |                        |               |  |

Photo 2 of 3 : UCIP\_SP\_2017\_10278\_17518.jpg



Slide gates on LS shoulder.

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>25.57</b> | Rating **    | A/W | Issue No.  | <b>1583 (cont)</b> |
| LM End   | <b>25.57</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10278\_17517.jpg



Walkway and gates on LS toe at canal.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 25.57                       | Rating **    | A/W | Issue No.              | 1584          |
| LM End   | 25.57                       | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.012401 °            | 39.012401 °   |
|  |                             |              |     | -121.827925 °          | -121.827925 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10276  |                             |              |     |                        |               |
| DS_ID:20374  |                             |              |     |                        |               |
| EP_NO: 9354  |                             |              |     |                        |               |
| Repair Type: No Action Needed  |                             |              |     |                        |               |
| Crossing Status: Found   |                             |              |     |                        |               |
| UCIP Comments:   |                             |              |     |                        |               |
| FIELD_STRUCT_DESC: 6 of 6: 5'x5' reinforced concrete culverts        |                             |              |     |                        |               |
| through levee 40.0 feet below crown (Permit No. 9354, 1960). Control |                             |              |     |                        |               |
| gates on the landward and waterward shoulder. Pumps on the           |                             |              |     |                        |               |
| waterward berm.  |                             |              |     |                        |               |
| FS Date: 3/14/2013   |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10276\_17513.jpg



Pumphouse on WS shoulder.

Photo 2 of 3 : UCIP\_SP\_2017\_10276\_17512.jpg



Slide gates on LS shoulder.

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>25.57</b> | Rating **    | A/W | Issue No.  | <b>1584 (cont)</b> |
| LM End   | <b>25.57</b> | Issue Type + | Ma  | Location * | WS                 |

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 25.57                       | Rating **    | A/W | Issue No.              | 1584 (cont)   |  |
| LM End   | 25.57                       | Issue Type + | Ma  | Location *             | WS            |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.012401 °            | 39.012401 °   |  |
|  |                             |              |     | -121.827925 °          | -121.827925 ° |  |
| DWR ID   |                             |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:10276  |                             |              |     |                        |               |  |
| DS_ID:20374  |                             |              |     |                        |               |  |
| EP_NO: 9354  |                             |              |     |                        |               |  |
| Repair Type: No Action Needed  |                             |              |     |                        |               |  |
| Crossing Status: Found   |                             |              |     |                        |               |  |
| UCIP Comments:   |                             |              |     |                        |               |  |
| FIELD_STRUCT_DESC: 6 of 6: 5'x5' reinforced concrete culverts        |                             |              |     |                        |               |  |
| through levee 40.0 feet below crown (Permit No. 9354, 1960). Control |                             |              |     |                        |               |  |
| gates on the landward and waterward shoulder. Pumps on the           |                             |              |     |                        |               |  |
| waterward berm.  |                             |              |     |                        |               |  |
| FS Date: 3/14/2013   |                             |              |     |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2017\_10276\_17511.jpg



Walkway and gates at canal on LS toe.

|                                       |                          |              |    |                        |               |
|---------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                              | 25.70                    | Rating **    | C  | Issue No.              | 188           |
| LM End                                | 25.73                    | Issue Type + | Ob | Location *             | LS            |
| Category                              | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                                       |                          |              |    | Start                  | End           |
| Item                                  | Seepage / Sandboils      |              |    | 39.013914 °            | 39.014355 °   |
|                                       |                          |              |    | -121.826661 °          | -121.826329 ° |
| DWR ID                                | DWR_NA0016_01_s_2016_188 |              |    |                        |               |
| Comment Code                          |                          |              |    |                        |               |
|                                       |                          |              |    |                        |               |
| Inspector Comment                     |                          |              |    |                        |               |
| According to LMA no seepage occuring. |                          |              |    |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                                  |              |     |                        |               |
|--|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 25.75                            | Rating **    | A/W | Issue No.              | 12            |
| LM End   | 25.91                            | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|  |                                  |              |     | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |     | 39.014499 °            | 39.016401 °   |
|  |                                  |              |     | -121.825880 °          | -121.824230 ° |
| DWR ID   | DWR_NA0016_01_s _ 2016_12        |              |     |                        |               |
| Comment Code   |                                  |              |     |                        |               |
|  |                                  |              |     |                        |               |
| Inspector Comment  |                                  |              |     |                        |               |
| 2008 - Whole bank is eroding, nearly vertical slope with cohesive toe. Bed is very deep along the toe (greater than 30 ft deep at 20 ft from the shore). 2011 - Some new minor erosion. 2015: No observed changes. [2015 Site ID: SAC_118-0_R] |                                  |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_12\_20170320\_00012.jpg



USACE 2013 Photo #1

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 25.97                      | Rating **    | M  | Issue No.              | 138           |
| LM End   | 27.49                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.017307 °            | 39.034252 °   |
|  |                            |              |    | -121.824029 °          | -121.833336 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_138 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_138\_20170414\_00313.jpg



Tall vegetation on the landward levee slope. Spring 2017.

|   |                            |              |    |                        |               |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 26.14                      | Rating **    | U  | Issue No.              | 140           |
| LM End  | 26.14                      | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|   |                            |              |    | Start                  | End           |
| Item  | Animal Control             |              |    | 39.019437 °            | 39.019437 °   |
|   |                            |              |    | -121.822451 °          | -121.822451 ° |
| DWR ID  | DWR_NA0016_01_s _ 2017_140 |              |    |                        |               |
| Comment Code  |                            |              |    |                        |               |
| A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows. |                            |              |    |                        |               |
| Inspector Comment   |                            |              |    |                        |               |
|   |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_140\_20170414\_00314.jpg



Large burrow on landside levee slope. Most likely foxes. Spring 2017.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 26.46                | Rating **    | M  | Issue No.              | 1585          |
| LM End  | 26.46                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.023842 °            | 39.023842 °   |
|   |                      |              |    | -121.823077 °          | -121.823077 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10285   |                      |              |    |                        |               |
| DS_ID:20253   |                      |              |    |                        |               |
| EP_NO: 9136   |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Found  |                      |              |    |                        |               |
| UCIP Comments: Pipe appears to be abandoned. Pipe needs to be abandoned properly.   |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel pipe through levee 3.0 feet below crown. Steel cutoff wall at centerline. Air release valve on the waterward shoulder (Permit No. 9136, 1974). Slide gate in 72-inch diameter CMP riser on LS toe. |                      |              |    |                        |               |
| FS Date: 3/14/2013  |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10285\_17532.jpg



72-inch CMP riser on LS toe under JP next to tree.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>26.46</b> | Rating **    | M  | Issue No.  | <b>1585 (cont)</b> |
| LM End   | <b>26.46</b> | Issue Type + | En | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10285\_17531.jpg



Air release valve on WS shoulder.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 26.46                | Rating **    | M  | Issue No.              | 1585 (cont)   |
| LM End   | 26.46                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.023842 °            | 39.023842 °   |
|  |                      |              |    | -121.823077 °          | -121.823077 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10285<br>DS_ID:20253<br>EP_NO: 9136<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe appears to be abandoned. Pipe needs to be abandoned properly.<br>FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel pipe through levee 3.0 feet below crown. Steel cutoff wall at centerline. Air release valve on the waterward shoulder (Permit No. 9136, 1974). Slide gate in 72-inch diameter CMP riser on LS toe.<br>FS Date: 3/14/2013 |                      |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10285\_17534.jpg



Pipe at Rivers edge.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 26.56                    | Rating **    | M  | Issue No.              | 141           |
| LM End   | 26.89                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 39.025368 °            | 39.029879 °   |
|  |                          |              |    | -121.823414 °          | -121.824327 ° |
| DWR ID   | DWR_NA0016_01_s_2017_141 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_141\_20170414\_00315.jpg



Tall vegetation on waterside slope. Spring 2017.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 27.17                      | Rating **    | M  | Issue No.              | 142           |
| LM End   | 27.49                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.031274 °            | 39.034251 °   |
|  |                            |              |    | -121.829274 °          | -121.833336 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_142 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_142\_20170414\_00316.jpg



Tall vegetation on landside slope. Spring 2017.

|                                    |                            |              |    |                        |               |
|------------------------------------|----------------------------|--------------|----|------------------------|---------------|
| LM Start                           | 27.22                      | Rating **    | N  | Issue No.              | 143           |
| LM End                             | 27.22                      | Issue Type + | Ma | Location *             | WS            |
| Category                           | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|                                    |                            |              |    | Start                  | End           |
| Item                               | Trim / Thin Trees          |              |    | 39.031406 °            | 39.031406 °   |
|                                    |                            |              |    | -121.830245 °          | -121.830245 ° |
| DWR ID                             | DWR_NA0016_01_s _ 2017_143 |              |    |                        |               |
| Comment Code                       |                            |              |    |                        |               |
| T5 : Tree stumps.                  |                            |              |    |                        |               |
| Inspector Comment                  |                            |              |    |                        |               |
| Two stumps on waterside levee toe. |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_143\_20170414\_00319.jpg



Two stumps at waterside toe. Spring 2017.

|   |                            |              |    |                        |               |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start                                | 27.46                      | Rating **    | M  | Issue No.              | 144           |
| LM End                                  | 27.46                      | Issue Type + | En | Location *             | WS            |
| Category                                | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|   |                            |              |    | Start                  | End           |
| Item                                    | Encroachments              |              |    | 39.033751 °            | 39.033751 °   |
|   |                            |              |    | -121.833130 °          | -121.833130 ° |
| DWR ID                                  | DWR_NA0016_01_s _ 2017_144 |              |    |                        |               |
| Comment Code                            |                            |              |    |                        |               |
| TR : Tree or limb                       |                            |              |    |                        |               |
| Inspector Comment                       |                            |              |    |                        |               |
| Downed oak tree on waterside levee toe. |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_144\_20170414\_00318.jpg



Downed tree on waterside slope. Spring 2017.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 27.46                | Rating **    | M  | Issue No.              | 1586          |
| LM End   | 27.46                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.033767 °            | 39.033767 °   |
|  |                      |              |    | -121.833110 °          | -121.833110 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10289<br>DS_ID:20256<br>EP_NO: 9368<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Need to abandon pipe properly.<br>FIELD_STRUCT_DESC: 24-inch steel pipe through levee 16.2 feet below crown (ABO No. 9368, 1960) Pump on the waterward bank. Gate valve on the landward end. Concrete box at the landward toe of the slope. Irrigation well 6 feet from toe of landward slope. Originally included in the 1960 O&M manual with the description standpipe on waterward side.<br>FS Date: 3/14/2013 |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2017\_10289\_17543.jpg



gate valve off landside toe.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>27.46</b> | Rating **    | M  | Issue No.  | <b>1586 (cont)</b> |
| LM End   | <b>27.46</b> | Issue Type + | En | Location * | WS                 |

Photo 2 of 2 : UCIP\_SP\_2017\_10289\_17542.jpg



steel standpipe on WS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 27.46                | Rating **    | M  | Issue No.              | 1587          |
| LM End  | 27.46                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.033814 °            | 39.033814 °   |
|   |                      |              |    | -121.833158 °          | -121.833158 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10290<br>DS_ID:20416<br>EP_NO: N/A<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: Appears this pipe is abandoned and visible on WS slope in pieces. Need to verify proper abandonment.<br>FIELD_STRUCT_DESC: *ABANDONED* 24-inch pipe through levee 6.2 feet below crown. Originally included in the 1960 O&M manual.<br>Pipe debris on WS slope.<br>FS Date: 3/14/2013 |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2017\_10290\_17545.jpg



Pipe debris on WS slope.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>27.46</b> | Rating **    | M  | Issue No.  | <b>1587 (cont)</b> |
| LM End   | <b>27.46</b> | Issue Type + | En | Location * | WS                 |

Photo 2 of 2 : UCIP\_SP\_2017\_10290\_17544.jpg



Pipe debris on WS slope.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |    |                        |               |
|--|-----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 27.54                       | Rating **    | M  | Issue No.              | 1588          |
| LM End   | 27.54                       | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |
|  |                             |              |    | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.034870 °            | 39.034870 °   |
|  |                             |              |    | -121.833501 °          | -121.833501 ° |
| DWR ID   |                             |              |    |                        |               |
| Comment Code   |                             |              |    |                        |               |
|  |                             |              |    |                        |               |
| Inspector Comment  |                             |              |    |                        |               |
| FS_ID:10291  |                             |              |    |                        |               |
| DS_ID:20257  |                             |              |    |                        |               |
| EP_NO: 9355  |                             |              |    |                        |               |
| Repair Type: Non-Urgent  |                             |              |    |                        |               |
| Crossing Status: Found   |                             |              |    |                        |               |
| UCIP Comments: Pipe needs to be properly abandoned.                    |                             |              |    |                        |               |
| FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel pipe through              |                             |              |    |                        |               |
| levee 14.0 feet below crown. Slide gate on the waterward end, gate     |                             |              |    |                        |               |
| valve on the landward end (ABO No. 9355, 1960). Originally included in |                             |              |    |                        |               |
| the 1960 O&M manual.   |                             |              |    |                        |               |
| FS Date: 3/14/2013   |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10291\_17548.jpg



Gate valve buried on LS toe.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>27.54</b> | Rating **    | M  | Issue No.  | <b>1588 (cont)</b> |
| LM End   | <b>27.54</b> | Issue Type + | Ma | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10291\_17547.jpg



Gate valve buried on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |    |                        |               |  |
|--|-----------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 27.54                       | Rating **    | M  | Issue No.              | 1588 (cont)   |  |
| LM End   | 27.54                       | Issue Type + | Ma | Location *             | WS            |  |
| Category   | Supplemental                |              |    | GPS Latitude/Longitude |               |  |
|  |                             |              |    | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |    | 39.034870 °            | 39.034870 °   |  |
|  |                             |              |    | -121.833501 °          | -121.833501 ° |  |
| DWR ID   |                             |              |    |                        |               |  |
| Comment Code   |                             |              |    |                        |               |  |
|  |                             |              |    |                        |               |  |
| Inspector Comment  |                             |              |    |                        |               |  |
| FS_ID:10291  |                             |              |    |                        |               |  |
| DS_ID:20257  |                             |              |    |                        |               |  |
| EP_NO: 9355  |                             |              |    |                        |               |  |
| Repair Type: Non-Urgent  |                             |              |    |                        |               |  |
| Crossing Status: Found   |                             |              |    |                        |               |  |
| UCIP Comments: Pipe needs to be properly abandoned.                    |                             |              |    |                        |               |  |
| FIELD_STRUCT_DESC: *ABANDONED* 24-inch steel pipe through              |                             |              |    |                        |               |  |
| levee 14.0 feet below crown. Slide gate on the waterward end, gate     |                             |              |    |                        |               |  |
| valve on the landward end (ABO No. 9355, 1960). Originally included in |                             |              |    |                        |               |  |
| the 1960 O&M manual.   |                             |              |    |                        |               |  |
| FS Date: 3/14/2013   |                             |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2017\_10291\_17546.jpg



Excavation at WS toe where pipe should be.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 27.89                    | Rating **    | M  | Issue No.              | 145           |
| LM End   | 33.44                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 39.039496 °            | 39.080303 °   |
|  |                          |              |    | -121.833311 °          | -121.896030 ° |
| DWR ID   | DWR_NA0016_01_s_2017_145 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 27.89                      | Rating **    | M  | Issue No.              | 147           |
| LM End   | 32.43                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.039496 °            | 39.070208 °   |
|  |                            |              |    | -121.833312 °          | -121.883894 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_147 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|                   |                           |              |    |                        |               |
|-------------------|---------------------------|--------------|----|------------------------|---------------|
| LM Start          | 28.02                     | Rating **    | M  | Issue No.              | 59            |
| LM End            | 28.02                     | Issue Type + | En | Location *             | WS            |
| Category          | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|                   |                           |              |    | Start                  | End           |
| Item              | Encroachments             |              |    | 39.040750 °            | 39.040750 °   |
|                   |                           |              |    | -121.835299 °          | -121.835299 ° |
| DWR ID            | DWR_NA0016_01_s _ 2012_59 |              |    |                        |               |
| Comment Code      |                           |              |    |                        |               |
| DE : Debris       |                           |              |    |                        |               |
| Inspector Comment |                           |              |    |                        |               |
| piles of concrete |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_59\_20170320\_00032.jpg



View of the pile of concrete on the waterward berm of the levee. Spring 2016.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 28.61                | Rating **    | M  | Issue No.              | 1589          |
| LM End   | 28.61                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.047758 °            | 39.047758 °   |
|  |                      |              |    | -121.840914 °          | -121.840914 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:49833<br>DS_ID:20319<br>EP_NO: 16632<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: 09/01/2016 - No markers on levee. no condition in permit for markers. Pipe is well underneath the levee prism with minimum clearance under the river of 35 feet per permit drawings. (T. Hatch/UCIP) 03/15/2013 No gasline markers on either side of levee. (W. Wylie/UCIP)<br>FIELD_STRUCT_DESC: 4-inch welded steel natural gas pipeline through the levee, 62.0 feet below crown. Crosses under both levees and the Sacramento River channel with a minimum clearance of 35 feet (Permit No. 16632, 1999 - SECI). Gas well visible approximately 1500-feet west of the levee on the landside (LS).<br>FS Date: 9/1/2016 |                      |              |    |                        |               |

Photo 1 of 1 : UCIP\_SP\_2017\_49833\_17563.jpg



gas well 1500-feet west of this location.

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 28.64                       | Rating **    | A/W | Issue No.              | 1590          |
| LM End   | 28.64                       | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.048281 °            | 39.048281 °   |
|  |                             |              |     | -121.841084 °          | -121.841084 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10306<br>DS_ID:20341<br>EP_NO: 9358<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 1 of 6: 16-inch steel storm drain pipe through levee 8.5 feet below crown. Siphon breaker in 24-inch corrugated metal riser unit on the Waterward slope. Pump in pump house on the landward side. Overhead power line crosses the levee. Pole on the landward shoulder (Permit No. 9358, 1960). Originally included in the 1960 O&M manual.<br>FS Date: 3/15/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10306\_17566.jpg



Gate valve under pumphouse on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 28.64                       | Rating **    | A/W | Issue No.              | 1590 (cont)   |
| LM End   | 28.64                       | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.048281 °            | 39.048281 °   |
|  |                             |              |     | -121.841084 °          | -121.841084 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10306<br>DS_ID:20341<br>EP_NO: 9358<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 1 of 6: 16-inch steel storm drain pipe through levee 8.5 feet below crown. Siphon breaker in 24-inch corrugated metal riser unit on the Waterward slope. Pump in pump house on the landward side. Overhead power line crosses the levee. Pole on the landward shoulder (Permit No. 9358, 1960). Originally included in the 1960 O&M manual.<br>FS Date: 3/15/2013 |                             |              |     |                        |               |

Photo 2 of 3 : UCIP\_SP\_2017\_10306\_17565.jpg



Pumphouse and sump on LS toe.

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>28.64</b> | Rating **    | A/W | Issue No.  | <b>1590 (cont)</b> |
| LM End   | <b>28.64</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10306\_17564.jpg



siphon breakers in CMP risers on WS slope.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 28.65                       | Rating **    | A/W | Issue No.              | 1591          |
| LM End   | 28.65                       | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.048295 °            | 39.048295 °   |
|  |                             |              |     | -121.841088 °          | -121.841088 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10307<br>DS_ID:20259<br>EP_NO: 9358<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 2 of 6: 10-inch steel storm drain pipe through levee 8.0 feet below crown. Siphon breaker in 24-inch CMP riser on WS slope. Slide gate at base of pumphouse on LS toe. Pump over sump at pumphouse on LS toe.Overhead power line crosses the levee. Pole on the landward shoulder (ABO No. 9358, 1960). Originally included in the 1960 O&M manual.<br>FS Date: 3/15/2013 |                             |              |     |                        |               |

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>28.65</b> | Rating **    | A/W | Issue No.  | <b>1591 (cont)</b> |
| LM End   | <b>28.65</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 1 of 3 : UCIP\_SP\_2017\_10307\_17569.jpg



Pumphouse over sump on LS toe.

Photo 2 of 3 : UCIP\_SP\_2017\_10307\_17568.jpg



Slide gate in concrete vault under pumphouse at LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 28.65                       | Rating **    | A/W | Issue No.              | 1591 (cont)   |
| LM End   | 28.65                       | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.048295 °            | 39.048295 °   |
|  |                             |              |     | -121.841088 °          | -121.841088 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10307<br>DS_ID:20259<br>EP_NO: 9358<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 2 of 6: 10-inch steel storm drain pipe through levee 8.0 feet below crown. Siphon breaker in 24-inch CMP riser on WS slope. Slide gate at base of pumphouse on LS toe. Pump over sump at pumphouse on LS toe.Overhead power line crosses the levee. Pole on the landward shoulder (ABO No. 9358, 1960). Originally included in the 1960 O&M manual.<br>FS Date: 3/15/2013 |                             |              |     |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10307\_17567.jpg



Siphon breaker in 24-inch CMP riser on WS slope.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 28.78                | Rating **    | U  | Issue No.              | 1592          |
| LM End   | 28.78                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.050186 °            | 39.050186 °   |
|  |                      |              |    | -121.841553 °          | -121.841553 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:50042<br>DS_ID:20311<br>EP_NO: 12609<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 09/23/2016 - pipe outlet still submerged, but visible enough to determine that flap gate is still missing. Appurtenances on the LS of the levee do not appear to be associated with this pipe. There is no visible location for collection of drainage water to go through the outfall. As a result, it does not appear that this pipe is in use. (T. Hatch/UCIP) 09/01/201 - pipe outlet was submerged at time of inspection. Unable to view if flap gate had been replaced. Otherwise, conditions do not appear to be significantly different from previous inspection. (T. Hatch/UCIP) 03/15/201- Flap gate missing from waterward end of pipe. (W. Wylie/UCIP)<br>FIELD_STRUCT_DESC: 24-inch steel outfall pipe through the levee, 4.1 feet below the crown. There is a siphon breaker in an 18-inch concrete riser on the waterside (WS) shoulder. A flap gate is located on the WS toe. The riverbank has rock protection at the WS toe of the levee (Permit No. 12609, 1979 - Gross).<br>FS Date: 9/23/2016 |                      |              |    |                        |               |

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>28.78</b> | Rating **    | U  | Issue No.  | <b>1592 (cont)</b> |
| LM End   | <b>28.78</b> | Issue Type + | En | Location * | WS                 |

Photo 1 of 3 : UCIP\_SP\_2017\_50042\_17587.jpg



18-inch concrete riser on WS shoulder.

Photo 2 of 3 : UCIP\_SP\_2017\_50042\_17586.jpg



Pipe and flap gate at rivers edge

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |             |               |
|--|----------------------|--------------|----|------------------------|-------------|---------------|
| LM Start   | 28.78                | Rating **    | U  | Issue No.              | 1592 (cont) |               |
| LM End   | 28.78                | Issue Type + | En | Location *             | WS          |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |             |               |
|  |                      |              |    | Start                  |             | End           |
| Item   | DWR UCIP Field Study |              |    | 39.050186 °            |             | 39.050186 °   |
|  |                      |              |    | -121.841553 °          |             | -121.841553 ° |
| DWR ID   |                      |              |    |                        |             |               |
| Comment Code   |                      |              |    |                        |             |               |
|  |                      |              |    |                        |             |               |
| Inspector Comment  |                      |              |    |                        |             |               |
| FS_ID:50042<br>DS_ID:20311<br>EP_NO: 12609<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 09/23/2016 - pipe outlet still submerged, but visible enough to determine that flap gate is still missing. Appurtenances on the LS of the levee do not appear to be associated with this pipe. There is no visible location for collection of drainage water to go through the outfall. As a result, it does not appear that this pipe is in use. (T. Hatch/UCIP) 09/01/201 - pipe outlet was submerged at time of inspection. Unable to view if flap gate had been replaced. Otherwise, conditions do not appear to be significantly different from previous inspection. (T. Hatch/UCIP) 03/15/201- Flap gate missing from waterward end of pipe. (W. Wylie/UCIP)<br>FIELD_STRUCT_DESC: 24-inch steel outfall pipe through the levee, 4.1 feet below the crown. There is a siphon breaker in an 18-inch concrete riser on the waterside (WS) shoulder. A flap gate is located on the WS toe. The riverbank has rock protection at the WS toe of the levee (Permit No. 12609, 1979 - Gross).<br>FS Date: 9/23/2016 |                      |              |    |                        |             |               |

Photo 3 of 3 : UCIP\_SP\_2017\_50042\_17585.jpg



Pipe missing flap gate at waters edge.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 29.23                    | Rating **    | M  | Issue No.              | 148           |
| LM End            | 29.23                    | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.056690 °            | 39.056690 °   |
|                   |                          |              |    | -121.840852 °          | -121.840852 ° |
| DWR ID            | DWR_NA0016_01_s_2017_148 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| TR : Tree or limb |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_148\_20170414\_00319.jpg



Downed tree on waterside slope. Spring 2017.

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 29.58                    | Rating **    | U  | Issue No.              | 197           |
| LM End   | 29.66                    | Issue Type + | Ob | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Seepage / Sandboils      |              |    | 39.061709 °            | 39.062799 °   |
|  |                          |              |    | -121.839838 °          | -121.839564 ° |
| DWR ID   | DWR_NA0016_01_s_2016_197 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
|  |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
| Seepage area has been staked and noted by LMA. Monitor seepage site. |                          |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_197\_20170320\_00097.jpg



View of the seepage into the ditch on the landward side of the levee looking upstream. Spring 2016.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>29.58</b> | Rating **    | U  | Issue No.  | <b>197 (cont)</b> |
| LM End   | <b>29.66</b> | Issue Type + | Ob | Location * | LS                |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_197\_20170320\_00098.jpg



Monitoring stake is on the waterward side of the levee. Spring 2016.

|  |                                  |              |     |                        |               |
|--|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 29.69                            | Rating **    | A/W | Issue No.              | 2             |
| LM End   | 29.73                            | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|  |                                  |              |     | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |     | 39.063209 °            | 39.063997 °   |
|  |                                  |              |     | -121.838927 °          | -121.839335 ° |
| DWR ID   | DWR_NA0016_01_s_2016_2           |              |     |                        |               |
| Comment Code   |                                  |              |     |                        |               |
|  |                                  |              |     |                        |               |
| Inspector Comment  |                                  |              |     |                        |               |
| 1997 - Mass failure of the lower cohesive bank and toe. 2000 - Still eroding, steeply dipping foresets in the toe are falling off. 2010 - Some new erosion and some new deposition. Eddy current off the upstream rock. 2011 - Still plenty of berm left. 2015: No observed changes. [2015 Site ID: SAC_122-0_R] |                                  |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_2\_20170320\_00002.jpg



USACE 2013 Photo #1

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

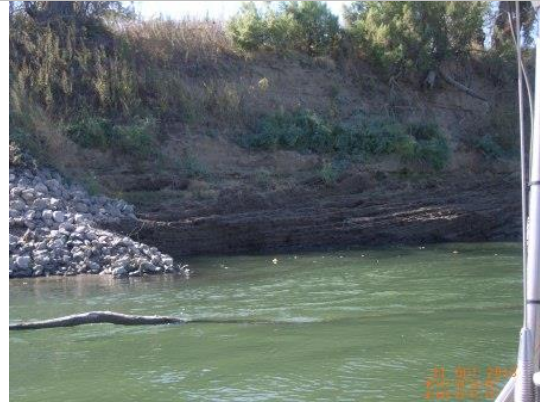
**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                                  |              |    |                        |               |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 29.96                            | Rating **    | M  | Issue No.              | 13            |
| LM End   | 30.00                            | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|  |                                  |              |    | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |    | 39.065886 °            | 39.066287 °   |
|  |                                  |              |    | -121.842950 °          | -121.843602 ° |
| DWR ID   | DWR_NA0016_01_s_2016_13          |              |    |                        |               |
| Comment Code   |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
| Inspector Comment  |                                  |              |    |                        |               |
| 2002 - Upstream end has recent slope failure and exposure of tree roots. 2003 - Some new minor slope erosion with new snags on the bank. 2004 - Appears a little worse. 2005 - Scallop in bank at the upstream end looks worse. 2009 - Minimal new erosion, Berm width is still large, but one large event or one fallen tree and it could go fast. 2010 - New erosion, bank is nearly all vertical from slumping. Site looks bad. 2011 - Site continues to look bad. 2012 - Minor new erosion. 2015: Undermining of toe rock. [2015 Site ID: SAC_122-3_R] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_13\_20170320\_00013.jpg



USACE 2013 Photo #1

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 30.08                | Rating **    | M  | Issue No.              | 1593          |
| LM End  | 30.08                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.066749 °            | 39.066749 °   |
|   |                      |              |    | -121.844987 °          | -121.844987 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10325<br>DS_ID:20317<br>EP_NO: 14495<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe may need flap gate at water side.<br>FIELD_STRUCT_DESC: 22-inch steel storm drain pipe through levee 3.8 feet below crown. Pipe extends from existing pumphouse located at the landward toe through the levee to the low water channel Siphon breaker in 24-inch CMP riser on LS shoulder. (Permit No. 14495, 1987). Replaced 12-inch and 16-inch pipes installed under Permit No. 9358.<br>FS Date: 3/15/2013 |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10325\_17591.jpg



24-inch pipe at rivers edge

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |             |               |
|---|----------------------|--------------|----|------------------------|-------------|---------------|
| LM Start  | 30.08                | Rating **    | M  | Issue No.              | 1593 (cont) |               |
| LM End  | 30.08                | Issue Type + | En | Location *             | WS          |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |             |               |
|   |                      |              |    | Start                  |             | End           |
| Item  | DWR UCIP Field Study |              |    | 39.066749 °            |             | 39.066749 °   |
|   |                      |              |    | -121.844987 °          |             | -121.844987 ° |
| DWR ID  |                      |              |    |                        |             |               |
| Comment Code  |                      |              |    |                        |             |               |
|   |                      |              |    |                        |             |               |
| Inspector Comment   |                      |              |    |                        |             |               |
| FS_ID:10325<br>DS_ID:20317<br>EP_NO: 14495<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe may need flap gate at water side.<br>FIELD_STRUCT_DESC: 22-inch steel storm drain pipe through levee 3.8 feet below crown. Pipe extends from existing pumphouse located at the landward toe through the levee to the low water channel Siphon breaker in 24-inch CMP riser on LS shoulder. (Permit No. 14495, 1987). Replaced 12-inch and 16-inch pipes installed under Permit No. 9358.<br>FS Date: 3/15/2013 |                      |              |    |                        |             |               |

Photo 2 of 3 : UCIP\_SP\_2017\_10325\_17590.jpg



Siphon breaker in 24-inch cmp on LS shoulder.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>30.08</b> | Rating **    | M  | Issue No.  | <b>1593 (cont)</b> |
| LM End   | <b>30.08</b> | Issue Type + | En | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10325\_17589.jpg



Pumphouse at LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 30.24                    | Rating **    | U  | Issue No.              | 201           |
| LM End  | 30.24                    | Issue Type + | Ob | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Seepage / Sandboils      |              |    | 39.068480 °            | 39.068480 °   |
|   |                          |              |    | -121.847061 °          | -121.847061 ° |
| DWR ID  | DWR_NA0016_01_s_2016_201 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
|   |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
| Boil has clear water running through. Continue to monitor |                          |              |    |                        |               |
|   |                          |              |    |                        |               |

Photo 1 of 3 : SP\_2017\_NA0016\_435\_201\_20170320\_00101.jpg



Boil has clear water running through. Spring 2016.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>30.24</b> | Rating **    | U  | Issue No.  | <b>201 (cont)</b> |
| LM End   | <b>30.24</b> | Issue Type + | Ob | Location * | LS                |

Photo 2 of 3 : SP\_2017\_NA0016\_435\_201\_20170320\_00102.jpg



Perspective view of the boil at the toe road on the landward side of the levee. Spring 2016.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>30.24</b> | Rating **    | U  | Issue No.  | <b>201 (cont)</b> |
| LM End   | <b>30.24</b> | Issue Type + | Ob | Location * | LS                |

Photo 3 of 3 : SP\_2017\_NA0016\_435\_201\_20170320\_00103.jpg



Monitoring stake was placed on 3/15/16. Spring 2016.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement





**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                         |              |    |                        |           |               |
|---|-------------------------|--------------|----|------------------------|-----------|---------------|
| LM Start  | 30.28                   | Rating **    | U  | Issue No.              | 79 (cont) |               |
| LM End  | 30.28                   | Issue Type + | Ma | Location *             | LS        |               |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |           |               |
|   |                         |              |    | Start                  |           | End           |
| Item  | Animal Control          |              |    | 39.068949 °            |           | 39.068949 °   |
|   |                         |              |    | -121.847551 °          |           | -121.847551 ° |
| DWR ID  | DWR_NA0016_01_f_2016_79 |              |    |                        |           |               |
| Comment Code  |                         |              |    |                        |           |               |
| A1 : Exterminate rodents and backfill and compact or grout burrows. |                         |              |    |                        |           |               |
| Inspector Comment   |                         |              |    |                        |           |               |
|   |                         |              |    |                        |           |               |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_79\_20170320\_00034.jpg



Burrows on landside slope. Fall 2016 inspection.

|                                       |                          |              |    |                        |               |
|---------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                              | 30.96                    | Rating **    | M  | Issue No.              | 151           |
| LM End                                | 30.96                    | Issue Type + | Ma | Location *             | WS            |
| Category                              | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                                       |                          |              |    | Start                  | End           |
| Item                                  | Encroachments            |              |    | 39.067836 °            | 39.067836 °   |
|                                       |                          |              |    | -121.858386 °          | -121.858386 ° |
| DWR ID                                | DWR_NA0016_01_s_2017_151 |              |    |                        |               |
| Comment Code                          |                          |              |    |                        |               |
| TR : Tree or limb                     |                          |              |    |                        |               |
| Inspector Comment                     |                          |              |    |                        |               |
| Large tree downed on waterside slope. |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_151\_20170414\_000321.jpg



Downed tree on waterside levee slope, looking towards river. Spring 2017.

|                      |                         |              |    |                        |               |
|----------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start             | 31.28                   | Rating **    | M  | Issue No.              | 99            |
| LM End               | 31.28                   | Issue Type + | En | Location *             | WS            |
| Category             | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                      |                         |              |    | Start                  | End           |
| Item                 | Encroachments           |              |    | 39.066921 °            | 39.066921 °   |
|                      |                         |              |    | -121.864077 °          | -121.864077 ° |
| DWR ID               | DWR_NA0016_01_s_2015_99 |              |    |                        |               |
| Comment Code         |                         |              |    |                        |               |
| EQ : Equipment       |                         |              |    |                        |               |
| Inspector Comment    |                         |              |    |                        |               |
| Temporary bee hives. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_99\_20170320\_00049.jpg



View of the beehives on the shoulder of the waterward side of the levee looking upstream. Spring 2015.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

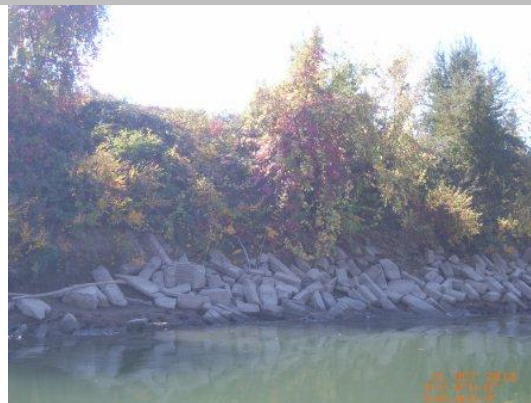
**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                                  |              |    |                        |               |
|--|----------------------------------|--------------|----|------------------------|---------------|
| LM Start   | 31.43                            | Rating **    | M  | Issue No.              | 17            |
| LM End   | 31.45                            | Issue Type + | Ma | Location *             | WS            |
| Category   | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|  |                                  |              |    | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |    | 39.067004 °            | 39.066901 °   |
|  |                                  |              |    | -121.866913 °          | -121.867322 ° |
| DWR ID   | DWR_NA0016_01_s_2016_17          |              |    |                        |               |
| Comment Code   |                                  |              |    |                        |               |
|  |                                  |              |    |                        |               |
| Inspector Comment  |                                  |              |    |                        |               |
| 1997 - Erosion into the levee section; old concrete rubble loss at toe; transition between the rock upstream and the cobble downstream.<br>2000 - Cohesive bench with concrete slabs on top; 25 ft deep scour hole on the downstream end. 2015: No observed changes. [2015 Site ID: SAC 123-7 R] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_17\_20170320\_00016.jpg



USACE 2013 Photo #1

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 31.61                   | Rating **    | M  | Issue No.              | 80            |
| LM End   | 31.61                   | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Slope Stability         |              |    | 39.066176 °            | 39.066176 °   |
|  |                         |              |    | -121.870146 °          | -121.870146 ° |
| DWR ID   | DWR_NA0016_01_f_2016_80 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
|  |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_80\_20170320\_00035.jpg



Slope stability issue at the wall of the building. Waterside slope. Fall 2016 inspection.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 31.61                | Rating **    | M  | Issue No.              | 1594          |
| LM End  | 31.61                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.066163 °            | 39.066163 °   |
|   |                      |              |    | -121.870198 °          | -121.870198 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:11543<br>DS_ID:20262<br>EP_NO: 9338<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe leaking at intake pipe on rivers edge below pump<br>FIELD_STRUCT_DESC: 24-inch steel pipe through levee 24.0 feet below crown (ABO No. 9338, 1960). Slide gate in abandoned concrete pump house on the waterward slope. Three slant pumps mounted on pile structure on the waterward bank. 30-inch concrete pipe under the highway on the landside. 48-inch steel riser on the landside of highway. Overhead high tower power line crosses the levee. Power line has been run underground to service box on waterward shoulder at L.M. 32.01. Ramps on both slopes. Originally included in the 1960 O&M manual.<br>FS Date: 3/15/2013 |                      |              |    |                        |               |

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>31.61</b> | Rating **    | M  | Issue No.  | <b>1594 (cont)</b> |
| LM End   | <b>31.61</b> | Issue Type + | En | Location * | WS                 |

Photo 1 of 3 : UCIP\_SP\_2017\_11543\_18942.jpg



Concrete block house with slide gate inside.

Photo 2 of 3 : UCIP\_SP\_2017\_11543\_18941.jpg



Siphon breaker on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |             |               |
|---|----------------------|--------------|----|------------------------|-------------|---------------|
| LM Start  | 31.61                | Rating **    | M  | Issue No.              | 1594 (cont) |               |
| LM End  | 31.61                | Issue Type + | En | Location *             | WS          |               |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |             |               |
|   |                      |              |    | Start                  |             | End           |
| Item  | DWR UCIP Field Study |              |    | 39.066163 °            |             | 39.066163 °   |
|   |                      |              |    | -121.870198 °          |             | -121.870198 ° |
| DWR ID  |                      |              |    |                        |             |               |
| Comment Code  |                      |              |    |                        |             |               |
|   |                      |              |    |                        |             |               |
| Inspector Comment   |                      |              |    |                        |             |               |
| FS_ID:11543<br>DS_ID:20262<br>EP_NO: 9338<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe leaking at intake pipe on rivers edge below pump<br>FIELD_STRUCT_DESC: 24-inch steel pipe through levee 24.0 feet below crown (ABO No. 9338, 1960). Slide gate in abandoned concrete pump house on the waterward slope. Three slant pumps mounted on pile structure on the waterward bank. 30-inch concrete pipe under the highway on the landside. 48-inch steel riser on the landside of highway. Overhead high tower power line crosses the levee. Power line has been run underground to service box on waterward shoulder at L.M. 32.01. Ramps on both slopes. Originally included in the 1960 O&M manual.<br>FS Date: 3/15/2013 |                      |              |    |                        |             |               |

Photo 3 of 3 : UCIP\_SP\_2017\_11543\_18940.jpg



Slide gate inside concrete block house.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 31.61                   | Rating **    | M  | Issue No.              | 60            |
| LM End   | 31.61                   | Issue Type + | En | Location *             | WS            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 39.066173 °            | 39.066173 °   |
|  |                         |              |    | -121.870207 °          | -121.870207 ° |
| DWR ID   | DWR_NA0016_01_s_2012_60 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| BU : Building  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| Old concrete pumphouse on shoulder open needs to be sealed up. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_60\_20170320\_00033.jpg



Old concrete pump house on the waterside levee slope. Fall 2011.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 32.03                   | Rating **    | M  | Issue No.              | 41            |
| LM End  | 32.03                   | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Vegetation              |              |    | 39.069130 °            | 39.069130 °   |
|   |                         |              |    | -121.876638 °          | -121.876638 ° |
| DWR ID  | DWR_NA0016_01_s_2012_41 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| V4 : Elderberries are blocking visibility and flood fight capability. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 32.07                   | Rating **    | C  | Issue No.              | 81            |
| LM End            | 32.09                   | Issue Type + | En | Location *             | WS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 39.069439 °            | 39.069510 °   |
|                   |                         |              |    | -121.877410 °          | -121.877728 ° |
| DWR ID            | DWR_NA0016_01_f_2016_81 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| DE : Debris       |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 32.27                | Rating **    | M  | Issue No.              | 1595          |
| LM End  | 32.27                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.069857 °            | 39.069857 °   |
|   |                      |              |    | -121.880923 °          | -121.880923 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10364   |                      |              |    |                        |               |
| DS_ID:20304   |                      |              |    |                        |               |
| EP_NO: 9374   |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Found  |                      |              |    |                        |               |
| UCIP Comments: Need to verify type of abandonment                     |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 2 of 4: *Abandoned* 4-inch pipe through levee      |                      |              |    |                        |               |
| 6.5 feet below crown. Gate valve on the waterward end. Siphon breaker |                      |              |    |                        |               |
| in 24-inch corrugated metal riser unit on the landward slope. 4X4-    |                      |              |    |                        |               |
| concrete distribution box on south side of highway 45 at LS toe. (ABO |                      |              |    |                        |               |
| No. 9374, 1960). Originally included in the 1960 O&M manual.          |                      |              |    |                        |               |
| FS Date: 3/15/2013  |                      |              |    |                        |               |

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>32.27</b> | Rating **    | M  | Issue No.  | <b>1595 (cont)</b> |
| LM End   | <b>32.27</b> | Issue Type + | En | Location * | WS                 |

Photo 1 of 2 : UCIP\_SP\_2017\_10364\_17645.jpg



Siphon Breaker in 25-inch CMP riser on LS slope with 4X4 concrete box off LS toe.

Photo 2 of 2 : UCIP\_SP\_2017\_10364\_17644.jpg



4X4 concrete box off LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 32.87                    | Rating **    | M  | Issue No.              | 155           |
| LM End   | 33.29                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 39.073081 °            | 39.078216 °   |
|  |                          |              |    | -121.891147 °          | -121.895023 ° |
| DWR ID   | DWR_NA0016_01_s_2017_155 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 32.95                   | Rating **    | M  | Issue No.              | 87            |
| LM End            | 32.95                   | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 39.074125 °            | 39.074125 °   |
|                   |                         |              |    | -121.891836 °          | -121.891836 ° |
| DWR ID            | DWR_NA0016_01_f_2016_87 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| FW : Firewood     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_87\_20170320\_00041.jpg



Firewood within 10 feet of levee toe on landside. Fall 2016 inspection.

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start                               | 32.97                   | Rating **    | M  | Issue No.              | 43            |
| LM End                                 | 32.97                   | Issue Type + | En | Location *             | LS            |
| Category                               | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item                                   | Encroachments           |              |    | 39.074346 °            | 39.074346 °   |
|  |                         |              |    | -121.892048 °          | -121.892048 ° |
| DWR ID                                 | DWR_NA0016_01_s_2012_43 |              |    |                        |               |
| Comment Code                           |                         |              |    |                        |               |
| FE : Fence                             |                         |              |    |                        |               |
| Inspector Comment                      |                         |              |    |                        |               |
| Fence blocking access on landside toe. |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_43\_20170414\_00322.jpg



Fence blocking access along landside levee toe. Spring 2017.

\* Location  
LS : Land Side N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable N : Not Inspected/Rated  
M : Minimally Acceptable C : Corrected  
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 33.03                    | Rating **    | M  | Issue No.              | 157           |
| LM End            | 33.03                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.075015 °            | 39.075015 °   |
|                   |                          |              |    | -121.892705 °          | -121.892705 ° |
| DWR ID            | DWR_NA0016_01_s_2017_157 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| ST : Stairway     |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

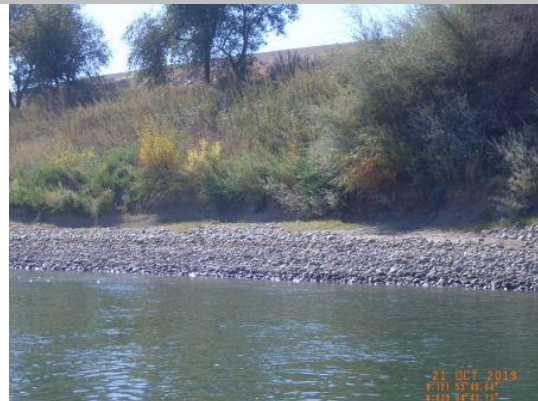
Photo 1 of 1 : SP\_2017\_NA0016\_435\_157\_20170417\_00323.jpg



Permanent metal staircase installed on landside levee slope. Spring 2017.

|  |                                  |              |     |                        |               |
|--|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 33.29                            | Rating **    | A/W | Issue No.              | 5             |
| LM End   | 33.37                            | Issue Type + | Ma  | Location *             | WS            |
| Category   | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|  |                                  |              |     | Start                  | End           |
| Item   | 2015 USACE Erosion Survey, DRAFT |              |     | 39.078340 °            | 39.079351 °   |
|  |                                  |              |     | -121.894656 °          | -121.895317 ° |
| DWR ID   | DWR_NA0016_01_s_2016_5           |              |     |                        |               |
| Comment Code   |                                  |              |     |                        |               |
|  |                                  |              |     |                        |               |
| Inspector Comment  |                                  |              |     |                        |               |
| 2008 - Slow erosion of the hard toe. 2010 - Cobble rubble is failing, erosion is into the toe of the levee, with vertical slumping. 2012 - Site appears to be relatively stable. 2013 - New animal holes. 2015: No observed changes. [2015 Site ID: SAC_125-6_R] |                                  |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_5\_20170320\_00005.jpg



USACE 2013 Photo #1

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start                                    | 33.78                    | Rating **    | U  | Issue No.              | 207           |
| LM End                                      | 33.85                    | Issue Type + | Ob | Location *             | LS            |
| Category                                    | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Seepage / Sandboils      |              |    | 39.084393 °            | 39.085184 °   |
|   |                          |              |    | -121.894522 °          | -121.895354 ° |
| DWR ID                                      | DWR_NA0016_01_s_2016_207 |              |    |                        |               |
| Comment Code                                |                          |              |    |                        |               |
|   |                          |              |    |                        |               |
| Inspector Comment                           |                          |              |    |                        |               |
| Seepage site is being monitored by the LMA. |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_207\_20170320\_00104.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

|   |  |   |  |   |  |  |  |
|---|--|---|--|---|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|---|--|---|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 34.00                | Rating **    | M  | Issue No.              | 1596          |
| LM End   | 34.00                | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.087072 °            | 39.087072 °   |
|  |                      |              |    | -121.896464 °          | -121.896464 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10403<br>DS_ID:20268<br>EP_NO: 9364A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe rusted through at concrete distribution box. May be indicator of pipe condition through levee.<br>FIELD_STRUCT_DESC: 1 of 4: 16-inch steel pipe through levee 6.3 feet below crown (ABO No. 9364A, 1945). Pump in pump house on the waterward end. Siphon breaker in 36-inch steel riser unit on the landward slope. Discharges into 5X9 Concrete distribution box at LS toe. Installed by United States Army Corp of Engineers, 1945. Included in the 1960 O&M manual.<br>FS Date: 3/18/2013 |                      |              |    |                        |               |

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>34.00</b> | Rating **    | M  | Issue No.  | <b>1596 (cont)</b> |
| LM End   | <b>34.00</b> | Issue Type + | En | Location * | LS                 |

Photo 1 of 3 : UCIP\_SP\_2017\_10403\_17662.jpg



Pump at WS berm.

Photo 2 of 3 : UCIP\_SP\_2017\_10403\_17661.jpg



siphon breaker in 36-inch steel riser on LS slope with concrete distribution box on LS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |     |
|--|----------------------|--------------|----|------------------------|---------------|-----|
| LM Start   | 34.00                | Rating **    | M  | Issue No.              | 1596 (cont)   |     |
| LM End   | 34.00                | Issue Type + | En | Location *             | LS            |     |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |     |
|  |                      |              |    | Start                  |               | End |
| Item   | DWR UCIP Field Study |              |    | 39.087072 °            | 39.087072 °   |     |
|  |                      |              |    | -121.896464 °          | -121.896464 ° |     |
| DWR ID   |                      |              |    |                        |               |     |
| Comment Code   |                      |              |    |                        |               |     |
|  |                      |              |    |                        |               |     |
|  |                      |              |    |                        |               |     |
| Inspector Comment  |                      |              |    |                        |               |     |
| FS_ID:10403<br>DS_ID:20268<br>EP_NO: 9364A<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe rusted through at concrete distribution box. May be indicator of pipe condition through levee.<br>FIELD_STRUCT_DESC: 1 of 4: 16-inch steel pipe through levee 6.3 feet below crown (ABO No. 9364A, 1945). Pump in pump house on the waterward end. Siphon breaker in 36-inch steel riser unit on the landward slope. Discharges into 5X9 Concrete distribution box at LS toe. Installed by United States Army Corp of Engineers, 1945. Included in the 1960 O&M manual.<br>FS Date: 3/18/2013 |                      |              |    |                        |               |     |

Photo 3 of 3 : UCIP\_SP\_2017\_10403\_17660.jpg



Pipe at waters edge.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 34.01                    | Rating **    | M  | Issue No.              | 100           |
| LM End            | 34.07                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.087176 °            | 39.088099 °   |
|                   |                          |              |    | -121.896480 °          | -121.896498 ° |
| DWR ID            | DWR_NA0016_01_s_2015_100 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| DT : Ditch        |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_100\_20170320\_00050.jpg

View of the ditch at the landward side of the levee looking upstream.  
Spring 2015.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>34.01</b>             | Rating **    | M                      | Issue No.     | <b>158</b> |
| LM End   | <b>36.57</b>             | Issue Type + | Ma                     | Location *    | LS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Vegetation               |              | 39.087206 °            | 39.116696 °   |            |
|  |                          |              | -121.896500 °          | -121.914541 ° |            |
| DWR ID   | DWR_NA0016_01_s_2017_158 |              |                        |               |            |
| Comment Code   |                          |              |                        |               |            |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |                        |               |            |
| Inspector Comment  |                          |              |                        |               |            |
|  |                          |              |                        |               |            |

No Photos

|  |                          |              |                        |               |            |
|--|--------------------------|--------------|------------------------|---------------|------------|
| LM Start   | <b>34.01</b>             | Rating **    | M                      | Issue No.     | <b>159</b> |
| LM End   | <b>36.57</b>             | Issue Type + | Ma                     | Location *    | WS         |
| Category   | Earthen Levee            |              | GPS Latitude/Longitude |               |            |
|  |                          |              | Start                  | End           |            |
| Item   | Vegetation               |              | 39.087206 °            | 39.116698 °   |            |
|  |                          |              | -121.896500 °          | -121.914538 ° |            |
| DWR ID   | DWR_NA0016_01_s_2017_159 |              |                        |               |            |
| Comment Code   |                          |              |                        |               |            |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |                        |               |            |
| Inspector Comment  |                          |              |                        |               |            |
|  |                          |              |                        |               |            |

No Photos

|                   |                         |              |                        |               |           |
|-------------------|-------------------------|--------------|------------------------|---------------|-----------|
| LM Start          | <b>34.04</b>            | Rating **    | C                      | Issue No.     | <b>88</b> |
| LM End            | <b>34.04</b>            | Issue Type + | Ma                     | Location *    | WS        |
| Category          | Earthen Levee           |              | GPS Latitude/Longitude |               |           |
|                   |                         |              | Start                  | End           |           |
| Item              | Encroachments           |              | 39.087643 °            | 39.087643 °   |           |
|                   |                         |              | -121.896479 °          | -121.896479 ° |           |
| DWR ID            | DWR_NA0016_01_f_2016_88 |              |                        |               |           |
| Comment Code      |                         |              |                        |               |           |
| PR : Prunings     |                         |              |                        |               |           |
| Inspector Comment |                         |              |                        |               |           |
|                   |                         |              |                        |               |           |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 34.15                    | Rating **    | U  | Issue No.              | 208           |
| LM End  | 34.15                    | Issue Type + | Ob | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Seepage / Sandboils      |              |    | 39.089243 °            | 39.089243 °   |
|   |                          |              |    | -121.896262 °          | -121.896262 ° |
| DWR ID  | DWR_NA0016_01_s_2016_208 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
|   |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
| Clear water. Boil about 5 inches wide. Also a seepage area. |                          |              |    |                        |               |
|   |                          |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_208\_20170320\_00105.jpg



Boil has clear water coming out of the hole. Spring 2016.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>34.15</b> | Rating **    | U  | Issue No.  | <b>208 (cont)</b> |
| LM End   | <b>34.15</b> | Issue Type + | Ob | Location * | LS                |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_208\_20170320\_00106.jpg



View of the seepage and boil at the toe of the levee on the landward side looking upstream. Spring 2016.

|   |                         |              |    |                        |               |
|---|-------------------------|--------------|----|------------------------|---------------|
| LM Start  | 34.22                   | Rating **    | C  | Issue No.              | 89            |
| LM End  | 34.22                   | Issue Type + | Ma | Location *             | WS            |
| Category  | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|   |                         |              |    | Start                  | End           |
| Item  | Trim / Thin Trees       |              |    | 39.090248 °            | 39.090248 °   |
|   |                         |              |    | -121.895788 °          | -121.895788 ° |
| DWR ID  | DWR_NA0016_01_f_2016_89 |              |    |                        |               |
| Comment Code  |                         |              |    |                        |               |
| T1 : Trim trees to at least five feet above ground level. |                         |              |    |                        |               |
| Inspector Comment   |                         |              |    |                        |               |
|   |                         |              |    |                        |               |

No Photos

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 34.25                    | Rating **    | U  | Issue No.              | 162           |
| LM End  | 34.93                    | Issue Type + | Ob | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Seepage / Sandboils      |              |    | 39.090632 °            | 39.096119 °   |
|   |                          |              |    | -121.895620 °          | -121.901125 ° |
| DWR ID  | DWR_NA0016_01_s_2017_162 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
|   |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
| Historical seepage area on landside toe. USACE aware of site. |                          |              |    |                        |               |
|   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_162\_20170417\_00324.jpg



Historical seepage area along landside levee toe. Seepage areas are marked with small colored flags. USACE is aware of this location. Spring 2017.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 34.49                    | Rating **    | M  | Issue No.              | 164           |
| LM End            | 34.49                    | Issue Type + | Ma | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.094070 °            | 39.094070 °   |
|                   |                          |              |    | -121.894876 °          | -121.894876 ° |
| DWR ID            | DWR_NA0016_01_s_2017_164 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| TR : Tree or limb |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_164\_20170417\_00326.jpg



Fallen tree on landside levee slope. Spring 2017.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 34.49                    | Rating **    | M  | Issue No.              | 165           |
| LM End            | 34.49                    | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.094072 °            | 39.094072 °   |
|                   |                          |              |    | -121.894877 °          | -121.894877 ° |
| DWR ID            | DWR_NA0016_01_s_2017_165 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| TR : Tree or limb |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_165\_20170417\_00325.jpg



Fallen tree on waterside slope, looking towards river. Spring 2017.

|   |                             |              |     |                        |               |
|---|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 34.72                       | Rating **    | A/W | Issue No.              | 1597          |
| LM End  | 34.72                       | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                |              |     | GPS Latitude/Longitude |               |
|   |                             |              |     | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |     | 39.095621 °            | 39.095621 °   |
|   |                             |              |     | -121.897340 °          | -121.897340 ° |
| DWR ID  |                             |              |     |                        |               |
| Comment Code  |                             |              |     |                        |               |
|   |                             |              |     |                        |               |
| Inspector Comment   |                             |              |     |                        |               |
| FS_ID:10406<br>DS_ID:20270<br>EP_NO: 494<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe through levee 23.0 feet below crown. Slide gate on concrete headwall on the waterward end. Walkway provided to control gate. (Permit No. 494, 1930). Included in the 1960 O&M manual and ABO 9363.<br>FS Date: 3/18/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10406\_17666.jpg



Walkway to slidegate on WS berm.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |  |
|--|-----------------------------|--------------|-----|------------------------|---------------|--|
| LM Start   | 34.72                       | Rating **    | A/W | Issue No.              | 1597 (cont)   |  |
| LM End   | 34.72                       | Issue Type + | Ma  | Location *             | WS            |  |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |  |
|  |                             |              |     | Start                  | End           |  |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.095621 °            | 39.095621 °   |  |
|  |                             |              |     | -121.897340 °          | -121.897340 ° |  |
| DWR ID   |                             |              |     |                        |               |  |
| Comment Code   |                             |              |     |                        |               |  |
|  |                             |              |     |                        |               |  |
| Inspector Comment  |                             |              |     |                        |               |  |
| FS_ID:10406  |                             |              |     |                        |               |  |
| DS_ID:20270  |                             |              |     |                        |               |  |
| EP_NO: 494   |                             |              |     |                        |               |  |
| Repair Type: No Action Needed  |                             |              |     |                        |               |  |
| Crossing Status: Found   |                             |              |     |                        |               |  |
| UCIP Comments:   |                             |              |     |                        |               |  |
| FIELD_STRUCT_DESC: 48-inch corrugated metal drainage pipe            |                             |              |     |                        |               |  |
| through levee 23.0 feet below crown. Slide gate on concrete headwall |                             |              |     |                        |               |  |
| on the waterward end. Walkway provided to control gate. (Permit No.  |                             |              |     |                        |               |  |
| 494, 1930). Included in the 1960 O&M manual and ABO 9363.            |                             |              |     |                        |               |  |
| FS Date: 3/18/2013   |                             |              |     |                        |               |  |

Photo 2 of 3 : UCIP\_SP\_2017\_10406\_17665.jpg



Inlet in vegetated area off LS toe.

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>34.72</b> | Rating **    | A/W | Issue No.  | <b>1597 (cont)</b> |
| LM End   | <b>34.72</b> | Issue Type + | Ma  | Location * | WS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10406\_17664.jpg



Concrete outlet and slide gate at WS toe.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                                  |              |     |                        |               |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 35.23                            | Rating **    | A/W | Issue No.              | 1             |
| LM End  | 35.33                            | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|   |                                  |              |     | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |     | 39.099482 °            | 39.100836 °   |
|   |                                  |              |     | -121.903430 °          | -121.904320 ° |
| DWR ID  | DWR_NA0016_01_s_2016_1           |              |     |                        |               |
| Comment Code  |                                  |              |     |                        |               |
|   |                                  |              |     |                        |               |
| Inspector Comment   |                                  |              |     |                        |               |
| 1997 - Major scour off the downstream end of existing rock, creating a scour pocket where the levee starts diverging from the bankline. 2000 - Some minor erosion, 20 ft deep hole at downstream end. 2004 - Small amount of new erosion. 2010 - Bad transition off downstream end of rock revetment, some new erosion. 2012 - Site extended downstream, minor new erosion. 2013- Minor new erosion. 2015: No observed changes. [2015 Site ID: SAC_127-9_R] |                                  |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_1\_20170320\_00001.jpg



USACE 2013 Photo #1

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 35.56                | Rating **    | M  | Issue No.              | 1598          |
| LM End   | 35.56                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.103533 °            | 39.103533 °   |
|  |                      |              |    | -121.906814 °          | -121.906814 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10424  |                      |              |    |                        |               |
| DS_ID:20273  |                      |              |    |                        |               |
| EP_NO: 9364A   |                      |              |    |                        |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |               |
| Crossing Status: Found   |                      |              |    |                        |               |
| UCIP Comments: Need to verify type of abandonment.   |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 3 of 4: 18-inch steel pipe through levee 16.0 feet below crown. Metal cutoff wall. Gate valve on the waterward bank.            |                      |              |    |                        |               |
| Siphon breaker in 24-inch corrugated metal riser unit on the landward shoulder. (ABO No. 9364A, 1960). Originally included in the 1960 O&M manual. |                      |              |    |                        |               |
| FS Date: 3/18/2013   |                      |              |    |                        |               |

Photo 1 of 1 : UCIP\_SP\_2017\_10424\_17700.jpg



Siphon breaker in 24-inch CMP riser on LS shoulder.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 35.56                | Rating **    | M  | Issue No.              | 1599          |
| LM End  | 35.56                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.103533 °            | 39.103533 °   |
|   |                      |              |    | -121.906814 °          | -121.906814 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10425<br>DS_ID:20398<br>EP_NO: 9364<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Remove abandoned pipe from levee.<br>FIELD_STRUCT_DESC: 4 of 4: *Abandoned* 1.25-inch conduit through<br>levee 3.0 feet below crown (ABO No. 9364A).<br>FS Date: 3/18/2013 |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2017\_10425\_17702.jpg



Electrical conduit on WS shoulder.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>35.56</b> | Rating **    | M  | Issue No.  | <b>1599 (cont)</b> |
| LM End   | <b>35.56</b> | Issue Type + | En | Location * | WS                 |

Photo 2 of 2 : UCIP\_SP\_2017\_10425\_17701.jpg



Electrical conduit on WS shoulder.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 35.66                    | Rating **    | M  | Issue No.              | 166           |
| LM End            | 35.66                    | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.104908 °            | 39.104908 °   |
|                   |                          |              |    | -121.907487 °          | -121.907487 ° |
| DWR ID            | DWR_NA0016_01_s_2017_166 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| TR : Tree or limb |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

No Photos

|                               |                          |              |     |                        |               |
|-------------------------------|--------------------------|--------------|-----|------------------------|---------------|
| LM Start                      | 35.69                    | Rating **    | A/W | Issue No.              | 139           |
| LM End                        | 35.69                    | Issue Type + | Ma  | Location *             | WS            |
| Category                      | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|                               |                          |              |     | Start                  | End           |
| Item                          | Vegetation               |              |     | 39.105381 °            | 39.105381 °   |
|                               |                          |              |     | -121.907770 °          | -121.907770 ° |
| DWR ID                        | DWR_NA0016_01_f_2015_139 |              |     |                        |               |
| Comment Code                  |                          |              |     |                        |               |
| V7 : Trees / Woody Vegetation |                          |              |     |                        |               |
| Inspector Comment             |                          |              |     |                        |               |
|                               |                          |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_139\_20170320\_00071.jpg



View of the dying tree on the waterward side of the levee looking upstream. Fall 2015.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 35.85                    | Rating **    | M  | Issue No.              | 168           |
| LM End            | 35.85                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.107507 °            | 39.107507 °   |
|                   |                          |              |    | -121.908742 °          | -121.908742 ° |
| DWR ID            | DWR_NA0016_01_s_2017_168 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| TR : Tree or limb |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 36.15                   | Rating **    | M  | Issue No.              | 91            |
| LM End            | 36.15                   | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 39.111186 °            | 39.111186 °   |
|                   |                         |              |    | -121.911428 °          | -121.911428 ° |
| DWR ID            | DWR_NA0016_01_f_2016_91 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| PR : Prunings     |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_91\_20170320\_00043.jpg



Tree prunings on landside slope. Fall 2016 inspection.

|   |                             |              |    |                        |               |
|---|-----------------------------|--------------|----|------------------------|---------------|
| LM Start  | 36.15                       | Rating **    | M  | Issue No.              | 1600          |
| LM End  | 36.15                       | Issue Type + | Ma | Location *             | LS            |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |               |
|   |                             |              |    | Start                  | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.111233 °            | 39.111233 °   |
|   |                             |              |    | -121.911450 °          | -121.911450 ° |
| DWR ID  |                             |              |    |                        |               |
| Comment Code  |                             |              |    |                        |               |
|   |                             |              |    |                        |               |
| Inspector Comment   |                             |              |    |                        |               |
| FS_ID:10426<br>DS_ID:20345<br>EP_NO: 9374<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Verify if pipe is abandoned with landowner and remove or abandon properly if necessary.<br>FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drain pipe through levee 17.0 feet below crown. Slide gate on concrete headwalls in waterward end, walkway to control gate and gate valve on landward end (ABO No. 9374, 1960). Originally included in the 1960 O&M manual.<br>FS Date: 3/18/2013 |                             |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10426\_17705.jpg



Slide gate on WS toe.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                             |              |    |                        |             |               |
|---|-----------------------------|--------------|----|------------------------|-------------|---------------|
| LM Start  | 36.15                       | Rating **    | M  | Issue No.              | 1600 (cont) |               |
| LM End  | 36.15                       | Issue Type + | Ma | Location *             | LS          |               |
| Category  | Supplemental                |              |    | GPS Latitude/Longitude |             |               |
|   |                             |              |    | Start                  |             | End           |
| Item  | DWR UCIP LMA Responsibility |              |    | 39.111233 °            |             | 39.111233 °   |
|   |                             |              |    | -121.911450 °          |             | -121.911450 ° |
| DWR ID  |                             |              |    |                        |             |               |
| Comment Code  |                             |              |    |                        |             |               |
|   |                             |              |    |                        |             |               |
|   |                             |              |    |                        |             |               |
| Inspector Comment   |                             |              |    |                        |             |               |
| FS_ID:10426   |                             |              |    |                        |             |               |
| DS_ID:20345   |                             |              |    |                        |             |               |
| EP_NO: 9374   |                             |              |    |                        |             |               |
| Repair Type: Non-Urgent   |                             |              |    |                        |             |               |
| Crossing Status: Found  |                             |              |    |                        |             |               |
| UCIP Comments: Verify if pipe is abandoned with landowner and remove or abandon properly if necessary.  |                             |              |    |                        |             |               |
| FIELD_STRUCT_DESC: *ABANDONED* 3 of 3: 24-inch concrete encased steel drain pipe through levee 17.0 feet below crown. Slide gate on concrete headwalls in waterward end, walkway to control gate and gate valve on landward end (ABO No. 9374, 1960). Originally included in the 1960 O&M manual. |                             |              |    |                        |             |               |
| FS Date: 3/18/2013  |                             |              |    |                        |             |               |

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>36.15</b> | Rating **    | M  | Issue No.  | <b>1600 (cont)</b> |
| LM End   | <b>36.15</b> | Issue Type + | Ma | Location * | LS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10426\_17704.jpg



Headwall and gate valve on LS toe buried but partially exposed.

Photo 3 of 3 : UCIP\_SP\_2017\_10426\_17703.jpg



Outlet/inlet on WS toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                           |              |    |                        |               |
|---|---------------------------|--------------|----|------------------------|---------------|
| LM Start  | 36.16                     | Rating **    | M  | Issue No.              | 94            |
| LM End  | 36.32                     | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|   |                           |              |    | Start                  | End           |
| Item  | Encroachments             |              |    | 39.111405 °            | 39.113321 °   |
|   |                           |              |    | -121.911579 °          | -121.913226 ° |
| DWR ID  | DWR_NA0016_01_f _ 2016_94 |              |    |                        |               |
| Comment Code  |                           |              |    |                        |               |
| AT : Agricultural tilling   |                           |              |    |                        |               |
| Inspector Comment   |                           |              |    |                        |               |
| LMA contacted the property owner to eliminate this issue. LMA may provide pictures of this site after issue is corrected. |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_94\_20170320\_00044.jpg



Levee toe on landward side has been cut due to agricultural work. Fall 2016 inspection.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 36.24                | Rating **    | M  | Issue No.              | 1601          |
| LM End   | 36.24                | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.112377 °            | 39.112377 °   |
|  |                      |              |    | -121.912286 °          | -121.912286 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10444<br>DS_ID:20274<br>EP_NO: 9374<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe should be abandoned properly.<br>FIELD_STRUCT_DESC: 4 of 4: 24-inch corrugated metal pipe through levee 15.5 feet below crown (ABO No. 9374, 1974). Two corrugated metal cutoff walls. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. Pump house with no connection on waterward bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on LS toe. Skid rails mounted on wood piling on the waterward slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the waterward shoulder. Power pole and meter box on the waterward shoulder. Switch panel in metal house on the waterward slope. Concrete standpipe on the landward side. Overhead power line crosses the levee to service pole.<br>FS Date: 3/18/2013 7:51:00 AM |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10444\_17725.jpg



36-inch CMP riser with slide gate on WS slope with 12-inch pipe at Toe.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|          |                      |              |                        |               |                    |
|----------|----------------------|--------------|------------------------|---------------|--------------------|
| LM Start | <b>36.24</b>         | Rating **    | M                      | Issue No.     | <b>1601 (cont)</b> |
| LM End   | <b>36.24</b>         | Issue Type + | En                     | Location *    | LS                 |
| Category | Supplemental         |              | GPS Latitude/Longitude |               |                    |
|          |                      |              | Start                  | End           |                    |
| Item     | DWR UCIP Field Study |              | 39.112377 °            | 39.112377 °   |                    |
|          |                      |              | -121.912286 °          | -121.912286 ° |                    |
| DWR ID   |                      |              |                        |               |                    |

**Comment Code**

**Inspector Comment**

FS\_ID:10444  
DS\_ID:20274  
EP\_NO: 9374  
Repair Type: Non-Urgent  
Crossing Status: Found  
UCIP Comments: Pipe should be abandoned properly.  
FIELD\_STRUCT\_DESC: 4 of 4: 24-inch corrugated metal pipe through levee 15.5 feet below crown (ABO No. 9374, 1974). Two corrugated metal cutoff walls. Slide gate in 36-inch corrugated metal riser unit on the waterward slope. Pump house with no connection on waterward bank. 12-inch steel pipe with steel plate over end at WS toe (likely pump connection point). 6-foot diameter concrete riser on LS toe. Skid rails mounted on wood piling on the waterward slope. Department of Water Resources B.M. SR 47 on top of concrete anchor post on the waterward shoulder. Power pole and meter box on the waterward shoulder. Switch panel in metal house on the waterward slope. Concrete standpipe on the landward side. Overhead power line crosses the levee to service pole.  
FS Date: 3/18/2013 7:51:00 AM

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>36.24</b> | Rating **    | M  | Issue No.  | <b>1601 (cont)</b> |
| LM End   | <b>36.24</b> | Issue Type + | En | Location * | LS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10444\_17724.jpg



Wooden ramp and 2-inch pump connection at WS toe.

Photo 3 of 3 : UCIP\_SP\_2017\_10444\_17723.jpg



Pump house, JP, and wooden ramp on WS slope.

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|   | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                       |                            |              |                        |               |            |
|---------------------------------------|----------------------------|--------------|------------------------|---------------|------------|
| LM Start                              | <b>36.29</b>               | Rating **    | M                      | Issue No.     | <b>169</b> |
| LM End                                | <b>36.29</b>               | Issue Type + | En                     | Location *    | WS         |
| Category                              | Earthen Levee              |              | GPS Latitude/Longitude |               |            |
|                                       |                            |              | Start                  | End           |            |
| Item                                  | Encroachments              |              | 39.112854 °            | 39.112854 °   |            |
|                                       |                            |              | -121.912833 °          | -121.912833 ° |            |
| DWR ID                                | DWR_NA0016_01_s _ 2017_169 |              |                        |               |            |
| Comment Code                          |                            |              |                        |               |            |
| TR : Tree or limb                     |                            |              |                        |               |            |
| Inspector Comment                     |                            |              |                        |               |            |
| Fallen tree on waterside levee slope. |                            |              |                        |               |            |

No Photos

|                   |                            |              |                        |               |            |
|-------------------|----------------------------|--------------|------------------------|---------------|------------|
| LM Start          | <b>36.75</b>               | Rating **    | M                      | Issue No.     | <b>170</b> |
| LM End            | <b>36.75</b>               | Issue Type + | Ma                     | Location *    | WS         |
| Category          | Earthen Levee              |              | GPS Latitude/Longitude |               |            |
|                   |                            |              | Start                  | End           |            |
| Item              | Encroachments              |              | 39.119151 °            | 39.119151 °   |            |
|                   |                            |              | -121.915198 °          | -121.915198 ° |            |
| DWR ID            | DWR_NA0016_01_s _ 2017_170 |              |                        |               |            |
| Comment Code      |                            |              |                        |               |            |
| TR : Tree or limb |                            |              |                        |               |            |
| Inspector Comment |                            |              |                        |               |            |

No Photos

|                   |                            |              |                        |               |            |
|-------------------|----------------------------|--------------|------------------------|---------------|------------|
| LM Start          | <b>36.90</b>               | Rating **    | M                      | Issue No.     | <b>101</b> |
| LM End            | <b>37.15</b>               | Issue Type + | En                     | Location *    | LS         |
| Category          | Earthen Levee              |              | GPS Latitude/Longitude |               |            |
|                   |                            |              | Start                  | End           |            |
| Item              | Encroachments              |              | 39.120210 °            | 39.121510 °   |            |
|                   |                            |              | -121.917018 °          | -121.921172 ° |            |
| DWR ID            | DWR_NA0016_01_s _ 2015_101 |              |                        |               |            |
| Comment Code      |                            |              |                        |               |            |
| DT : Ditch        |                            |              |                        |               |            |
| Inspector Comment |                            |              |                        |               |            |

No Photos

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                  |                         |              |     |                        |               |
|----------------------------------|-------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 37.07                   | Rating **    | A/W | Issue No.              | 33            |
| LM End                           | 37.15                   | Issue Type + | Ob  | Location *             | WS            |
| Category                         | Earthen Levee           |              |     | GPS Latitude/Longitude |               |
|                                  |                         |              |     | Start                  | End           |
| Item                             | Vegetation              |              |     | 39.121003 °            | 39.121547 °   |
|                                  |                         |              |     | -121.919888 °          | -121.921278 ° |
| DWR ID                           | DWR_NA0016_01_s_2012_33 |              |     |                        |               |
| Comment Code                     |                         |              |     |                        |               |
| V8 : Environmental Requirements. |                         |              |     |                        |               |
| Inspector Comment                |                         |              |     |                        |               |
| Revegetation site is fenced off. |                         |              |     |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_33\_20170320\_00027.jpg



View of the revegetation site on the waterward berm of the levee looking upstream. Spring 2016.

|          |              |              |     |            |                  |
|----------|--------------|--------------|-----|------------|------------------|
| LM Start | <b>37.07</b> | Rating **    | A/W | Issue No.  | <b>33 (cont)</b> |
| LM End   | <b>37.15</b> | Issue Type + | Ob  | Location * | WS               |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_33\_20170320\_00028.jpg



Sign stating the revegetation site. Spring 2016.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 37.17                    | Rating **    | M  | Issue No.              | 171           |
| LM End   | 37.62                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 39.121619 °            | 39.125943 °   |
|  |                          |              |    | -121.921586 °          | -121.927253 ° |
| DWR ID   | DWR_NA0016_01_s_2017_171 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|   |  |   |  |   |  |  |  |
|---|--|---|--|---|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 37.35                      | Rating **    | M  | Issue No.              | 172           |
| LM End   | 39.40                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.123035 °            | 39.145030 °   |
|  |                            |              |    | -121.924417 °          | -121.936604 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_172 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|                                |                            |              |    |                        |               |
|--------------------------------|----------------------------|--------------|----|------------------------|---------------|
| LM Start                       | 37.81                      | Rating **    | U  | Issue No.              | 216           |
| LM End                         | 37.81                      | Issue Type + | Ob | Location *             | LS            |
| Category                       | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|                                |                            |              |    | Start                  | End           |
| Item                           | Seepage / Sandboils        |              |    | 39.127945 °            | 39.127945 °   |
|                                |                            |              |    | -121.929831 °          | -121.929831 ° |
| DWR ID                         | DWR_NA0016_01_s _ 2016_216 |              |    |                        |               |
| Comment Code                   |                            |              |    |                        |               |
|                                |                            |              |    |                        |               |
| Inspector Comment              |                            |              |    |                        |               |
| LMA is monitoring the seepage. |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_216\_20170320\_00107.jpg



View of the seepage on the landward side of the levee. Spring 2016.

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 37.84                      | Rating **    | M  | Issue No.              | 174           |
| LM End   | 39.40                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.128156 °            | 39.145029 °   |
|  |                            |              |    | -121.930198 °          | -121.936603 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_174 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 37.87                      | Rating **    | M  | Issue No.              | 175           |
| LM End   | 37.87                      | Issue Type + | En | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Encroachments              |              |    | 39.128344 °            | 39.128344 °   |
|  |                            |              |    | -121.930752 °          | -121.930752 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_175 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| DE : Debris  |                            |              |    |                        |               |
| Inspector Comment                                    |                            |              |    |                        |               |
| Concrete debris on waterside slope, blocking access. |                            |              |    |                        |               |

No Photos

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 39.79                      | Rating **    | M  | Issue No.              | 177           |
| LM End   | 40.67                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.143283 °            | 39.146938 °   |
|  |                            |              |    | -121.929912 °          | -121.918488 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_177 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 39.93                | Rating **    | M  | Issue No.              | 1602          |
| LM End  | 39.93                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.143387 °            | 39.143387 °   |
|   |                      |              |    | -121.927196 °          | -121.927196 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10528   |                      |              |    |                        |               |
| DS_ID:20282   |                      |              |    |                        |               |
| EP_NO: 9352   |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Found  |                      |              |    |                        |               |
| UCIP Comments: Pipe appears to have been removed from levee section. Need to verify pipe abandonment.   |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 12-inch steel pipe through levee 5.0 feet below crown. Switch house on waterward shoulder, pump and gate valve on waterward bank. Concrete discharge standpipe on landward side. Permit was for a 14-inch (Permit No. 635, 1935 ). Included in the 1960 O&M manual and ABO No. 9351. |                      |              |    |                        |               |
| FS Date: 3/21/2013  |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10528\_17854.jpg



Concrete standpipe at LS toe.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>39.93</b> | Rating **    | M  | Issue No.  | <b>1602 (cont)</b> |
| LM End   | <b>39.93</b> | Issue Type + | En | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10528\_17853.jpg



Pipe visible at WS toe.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 39.93                | Rating **    | M  | Issue No.              | 1602 (cont)   |
| LM End   | 39.93                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.143387 °            | 39.143387 °   |
|  |                      |              |    | -121.927196 °          | -121.927196 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10528<br>DS_ID:20282<br>EP_NO: 9352<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe appears to have been removed from levee section. Need to verify pipe abandonment.<br>FIELD_STRUCT_DESC: 12-inch steel pipe through levee 5.0 feet below crown. Switch house on waterward shoulder, pump and gate valve on waterward bank. Concrete discharge standpipe on landward side. Permit was for a 14-inch (Permit No. 635, 1935 ). Included in the 1960 O&M manual and ABO No. 9351.<br>FS Date: 3/21/2013 |                      |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10528\_17852.jpg



12-inch pipe debris on WS berm.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 39.93                | Rating **    | M  | Issue No.              | 1603          |
| LM End   | 39.93                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.143387 °            | 39.143387 °   |
|  |                      |              |    | -121.927196 °          | -121.927196 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:11343<br>DS_ID:22966<br>EP_NO: 9352<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe should be removed.<br>FIELD_STRUCT_DESC: 1.5-inch galvanized iron electrical conduit through the levee at unknown depth. Visible on WS slope (Permit No. 635, 1935).<br>FS Date: 3/21/2013 |                      |              |    |                        |               |

Photo 1 of 2 : UCIP\_SP\_2017\_11343\_18741.jpg



Electrical conduit approximately perpendicular to concrete riser on LS toe.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 39.93                | Rating **    | M  | Issue No.              | 1603 (cont)   |
| LM End   | 39.93                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.143387 °            | 39.143387 °   |
|  |                      |              |    | -121.927196 °          | -121.927196 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:11343<br>DS_ID:22966<br>EP_NO: 9352<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe should be removed.<br>FIELD_STRUCT_DESC: 1.5-inch galvanized iron electrical conduit through the levee at unknown depth. Visible on WS slope (Permit No. 635, 1935).<br>FS Date: 3/21/2013 |                      |              |    |                        |               |

Photo 2 of 2 : UCIP\_SP\_2017\_11343\_18740.jpg



1.5-inch electrical conduit on WS slope.

|                                 |                          |              |    |                        |               |
|---------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                        | 40.23                    | Rating **    | U  | Issue No.              | 220           |
| LM End                          | 40.29                    | Issue Type + | Ob | Location *             | LS            |
| Category                        | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                                 |                          |              |    | Start                  | End           |
| Item                            | Seepage / Sandboils      |              |    | 39.142304 °            | 39.142142 °   |
|                                 |                          |              |    | -121.921861 °          | -121.920833 ° |
| DWR ID                          | DWR_NA0016_01_s_2016_220 |              |    |                        |               |
| Comment Code                    |                          |              |    |                        |               |
|                                 |                          |              |    |                        |               |
| Inspector Comment               |                          |              |    |                        |               |
| LMA is monitoring seepage site. |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_220\_20170320\_00108.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 40.44                | Rating **    | M  | Issue No.              | 1604          |
| LM End  | 40.44                | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.143838 °            | 39.143838 °   |
|   |                      |              |    | -121.919338 °          | -121.919338 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10527   |                      |              |    |                        |               |
| DS_ID:20285   |                      |              |    |                        |               |
| EP_NO: 12799  |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Found  |                      |              |    |                        |               |
| UCIP Comments: Pipe appears abandoned. Need to verify type of abandonment   |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 18-inch steel pipe through levee 6.5 feet below crown. 30-inch CMP standpipe on LS toe. Pump on the waterward toe. Vent in 12-inch CMP riser on the WS shoulder. (Permit No. 12799, 1979). |                      |              |    |                        |               |
| FS Date: 3/21/2013  |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10527\_17850.jpg



Vent in 12-inch CMP riser on WS shoulder.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>40.44</b> | Rating **    | M  | Issue No.  | <b>1604 (cont)</b> |
| LM End   | <b>40.44</b> | Issue Type + | En | Location * | LS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10527\_17849.jpg



30-inch CMP riser with slide gate at LS toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 40.44                | Rating **    | M  | Issue No.              | 1604 (cont)   |
| LM End  | 40.44                | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.143838 °            | 39.143838 °   |
|   |                      |              |    | -121.919338 °          | -121.919338 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10527   |                      |              |    |                        |               |
| DS_ID:20285   |                      |              |    |                        |               |
| EP_NO: 12799  |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Found  |                      |              |    |                        |               |
| UCIP Comments: Pipe appears abandoned. Need to verify type of abandonment   |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 18-inch steel pipe through levee 6.5 feet below crown. 30-inch CMP standpipe on LS toe. Pump on the waterward toe. Vent in 12-inch CMP riser on the WS shoulder. (Permit No. 12799, 1979). |                      |              |    |                        |               |
| FS Date: 3/21/2013  |                      |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10527\_17848.jpg



Slide gate in CMP riser on LS toe.

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 40.64                    | Rating **    | M  | Issue No.              | 102           |
| LM End            | 40.72                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.146602 °            | 39.147582 °   |
|                   |                          |              |    | -121.918897 °          | -121.918429 ° |
| DWR ID            | DWR_NA0016_01_s_2015_102 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| FE : Fence        |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_102\_20170320\_00051.jpg



View of owner's fence on landside. Fall 2016 inspection.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 40.74                      | Rating **    | M  | Issue No.              | 189           |
| LM End   | 42.63                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.147920 °            | 39.168533 °   |
|  |                            |              |    | -121.918405 °          | -121.938301 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_189 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 40.74                      | Rating **    | M  | Issue No.              | 187           |
| LM End   | 42.63                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.147923 °            | 39.168533 °   |
|  |                            |              |    | -121.918408 °          | -121.938301 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_187 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 40.89                | Rating **    | M  | Issue No.              | 1605          |
| LM End   | 40.89                | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.150054 °            | 39.150054 °   |
|  |                      |              |    | -121.918717 °          | -121.918717 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10533  |                      |              |    |                        |               |
| DS_ID:20287  |                      |              |    |                        |               |
| EP_NO: 9351  |                      |              |    |                        |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |               |
| Crossing Status: Found   |                      |              |    |                        |               |
| UCIP Comments: Appears abandoned. Should be abandoned properly.    |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through levee     |                      |              |    |                        |               |
| 17.5 feet below crown. Slide gate on the waterward end. Discharges |                      |              |    |                        |               |
| into concrete box at the landward toe (ABO No. 9351, 1960). Small  |                      |              |    |                        |               |
| pump discharges into sump area in front of slide gate at WS toe.   |                      |              |    |                        |               |
| FS Date: 3/21/2013   |                      |              |    |                        |               |

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>40.89</b> | Rating **    | M  | Issue No.  | <b>1605 (cont)</b> |
| LM End   | <b>40.89</b> | Issue Type + | En | Location * | LS                 |

Photo 1 of 3 : UCIP\_SP\_2017\_10533\_17865.jpg



Demolished concrete distribution box at LS toe.

Photo 2 of 3 : UCIP\_SP\_2017\_10533\_17864.jpg



Slide gate at WS toe.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 40.89                | Rating **    | M  | Issue No.              | 1605 (cont)   |
| LM End  | 40.89                | Issue Type + | En | Location *             | LS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.150054 °            | 39.150054 °   |
|   |                      |              |    | -121.918717 °          | -121.918717 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10533<br>DS_ID:20287<br>EP_NO: 9351<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Appears abandoned. Should be abandoned properly.<br>FIELD_STRUCT_DESC: 30-inch corrugated metal pipe through levee 17.5 feet below crown. Slide gate on the waterward end. Discharges into concrete box at the landward toe (ABO No. 9351, 1960). Small pump discharges into sump area in front of slide gate at WS toe.<br>FS Date: 3/21/2013 |                      |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10533\_17863.jpg



Slide gate at WS toe.

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 41.08                       | Rating **    | A/W | Issue No.              | 1606          |
| LM End   | 41.08                       | Issue Type + | Ma  | Location *             | LS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.152347 °            | 39.152347 °   |
|  |                             |              |     | -121.920610 °          | -121.920610 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10535<br>DS_ID:20288<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 24-inch pipe through levee 19.0 feet below crown. 6-foot diameter CMP standpipe on the landward toe. Pump and 24-inch pipe on the landside. Slide gate in CMP riser on waterward slope. Concrete block wall at waterward toe for discharge line. Originally included in the 1960 O&M manual. Modified under permit No. 8587, 1973.<br>FS Date: 3/21/2013 |                             |              |     |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10535\_17877.jpg



Slide gate in CMP riser on WS slope.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                             |              |     |                        |               |
|--|-----------------------------|--------------|-----|------------------------|---------------|
| LM Start   | 41.08                       | Rating **    | A/W | Issue No.              | 1606 (cont)   |
| LM End   | 41.08                       | Issue Type + | Ma  | Location *             | LS            |
| Category   | Supplemental                |              |     | GPS Latitude/Longitude |               |
|  |                             |              |     | Start                  | End           |
| Item   | DWR UCIP LMA Responsibility |              |     | 39.152347 °            | 39.152347 °   |
|  |                             |              |     | -121.920610 °          | -121.920610 ° |
| DWR ID   |                             |              |     |                        |               |
| Comment Code   |                             |              |     |                        |               |
|  |                             |              |     |                        |               |
| Inspector Comment  |                             |              |     |                        |               |
| FS_ID:10535<br>DS_ID:20288<br>EP_NO: N/A<br>Repair Type: No Action Needed<br>Crossing Status: Found<br>UCIP Comments:<br>FIELD_STRUCT_DESC: 24-inch pipe through levee 19.0 feet below crown. 6-foot diameter CMP standpipe on the landward toe. Pump and 24-inch pipe on the landside. Slide gate in CMP riser on waterward slope. Concrete block wall at waterward toe for discharge line. Originally included in the 1960 O&M manual. Modified under permit No. 8587, 1973.<br>FS Date: 3/21/2013 |                             |              |     |                        |               |

|          |              |              |     |            |                    |
|----------|--------------|--------------|-----|------------|--------------------|
| LM Start | <b>41.08</b> | Rating **    | A/W | Issue No.  | <b>1606 (cont)</b> |
| LM End   | <b>41.08</b> | Issue Type + | Ma  | Location * | LS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10535\_17876.jpg



6-foot diameter CMP riser with slide gates on LS toe.

Photo 3 of 3 : UCIP\_SP\_2017\_10535\_17875.jpg



24-inch CMP at connection to CMP riser on LS toe.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                    |                          |              |    |                        |               |
|------------------------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start                           | 41.60                    | Rating **    | U  | Issue No.              | 222           |
| LM End                             | 41.64                    | Issue Type + | Ob | Location *             | LS            |
| Category                           | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                                    |                          |              |    | Start                  | End           |
| Item                               | Seepage / Sandboils      |              |    | 39.156913 °            | 39.157074 °   |
|                                    |                          |              |    | -121.928324 °          | -121.928964 ° |
| DWR ID                             | DWR_NA0016_01_s_2016_222 |              |    |                        |               |
| Comment Code                       |                          |              |    |                        |               |
|                                    |                          |              |    |                        |               |
| Inspector Comment                  |                          |              |    |                        |               |
| Seepage is being monitored by LMA. |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_222\_20170320\_00109.jpg



View of the seepage in the ditch at the toe of the levee on the landward side. Spring 2016.

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 41.86                | Rating **    | M  | Issue No.              | 1607          |
| LM End   | 41.86                | Issue Type + | En | Location *             | LS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.158648 °            | 39.158648 °   |
|  |                      |              |    | -121.932429 °          | -121.932429 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10536  |                      |              |    |                        |               |
| DS_ID:20289  |                      |              |    |                        |               |
| EP_NO: 9341  |                      |              |    |                        |               |
| Repair Type: Non-Urgent  |                      |              |    |                        |               |
| Crossing Status: Found   |                      |              |    |                        |               |
| UCIP Comments: Appears abandoned. Needs to be abandoned properly.  |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 30-inch pipe through levee 19.5 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope (ABO No. 9341, 1960) |                      |              |    |                        |               |
| FS Date: 3/21/2013   |                      |              |    |                        |               |

Photo 1 of 3 : UCIP\_SP\_2017\_10536\_17883.jpg



30-inch CMP at outlet on LS toe.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br><br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |  |
|--|----------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 41.86                | Rating **    | M  | Issue No.              | 1607 (cont)   |  |
| LM End   | 41.86                | Issue Type + | En | Location *             | LS            |  |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|  |                      |              |    | Start                  | End           |  |
| Item   | DWR UCIP Field Study |              |    | 39.158648 °            | 39.158648 °   |  |
|  |                      |              |    | -121.932429 °          | -121.932429 ° |  |
| DWR ID   |                      |              |    |                        |               |  |
| Comment Code   |                      |              |    |                        |               |  |
|  |                      |              |    |                        |               |  |
| Inspector Comment  |                      |              |    |                        |               |  |
| FS_ID:10536  |                      |              |    |                        |               |  |
| DS_ID:20289  |                      |              |    |                        |               |  |
| EP_NO: 9341  |                      |              |    |                        |               |  |
| Repair Type: Non-Urgent  |                      |              |    |                        |               |  |
| Crossing Status: Found   |                      |              |    |                        |               |  |
| UCIP Comments: Appears abandoned. Needs to be abandoned properly.  |                      |              |    |                        |               |  |
| FIELD_STRUCT_DESC: 30-inch pipe through levee 19.5 feet below crown. Slide gate in 36-inch corrugated metal pipe riser on the waterward slope (ABO No. 9341, 1960) |                      |              |    |                        |               |  |
| FS Date: 3/21/2013   |                      |              |    |                        |               |  |

Photo 2 of 3 : UCIP\_SP\_2017\_10536\_17882.jpg



View from LS toe of CMP pipe.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>41.86</b> | Rating **    | M  | Issue No.  | <b>1607 (cont)</b> |
| LM End   | <b>41.86</b> | Issue Type + | En | Location * | LS                 |

Photo 3 of 3 : UCIP\_SP\_2017\_10536\_17881.jpg



Slide gate in CMP riser on WS toe.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 42.24                    | Rating **    | M  | Issue No.              | 103           |
| LM End            | 43.14                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.163132 °            | 39.175351 °   |
|                   |                          |              |    | -121.936185 °          | -121.941780 ° |
| DWR ID            | DWR_NA0016_01_s_2015_103 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| DT : Ditch        |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

No Photos

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 42.73                    | Rating **    | M  | Issue No.              | 146           |
| LM End   | 42.73                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Slope Stability          |              |    | 39.169949 °            | 39.169949 °   |
|  |                          |              |    | -121.938664 °          | -121.938664 ° |
| DWR ID   | DWR_NA0016_01_f_2015_146 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| S2 : Repair the levee slope damaged by foot traffic and prevent access where possible. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_146\_20170417\_00327.jpg



Slope stability issue due to foot traffic. Spring 2017.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>42.73</b> | Rating **    | M  | Issue No.  | <b>146 (cont)</b> |
| LM End   | <b>42.73</b> | Issue Type + | Ma | Location * | LS                |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_146\_20170320\_00072.jpg



Slope stability issue due to foot traffic. Fall 2016 inspection.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                                  |              |     |                        |               |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 42.90                            | Rating **    | A/W | Issue No.              | 4             |
| LM End  | 43.09                            | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|   |                                  |              |     | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |     | 39.172501 °            | 39.174949 °   |
|   |                                  |              |     | -121.939053 °          | -121.940737 ° |
| DWR ID  | DWR_NA0016_01_s_2016_4           |              |     |                        |               |
| Comment Code  |                                  |              |     |                        |               |
|   |                                  |              |     |                        |               |
| Inspector Comment   |                                  |              |     |                        |               |
| 2010 - Lower portion of 136.7 that did not extend far enough. Abrupt transition from upstream site. 2012 - Site extended upstream, minor new erosion. 2013 - Minor new erosion at the toe. New tree popout. Downstream limit extended. 2015: No observed changes. [2015 Site ID: SAC 136-6 R] |                                  |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_4\_20170320\_00004.jpg



USACE 2013 Photo #1

|  |                         |              |    |                        |               |
|--|-------------------------|--------------|----|------------------------|---------------|
| LM Start   | 43.05                   | Rating **    | U  | Issue No.              | 97            |
| LM End   | 43.05                   | Issue Type + | En | Location *             | CR            |
| Category   | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|  |                         |              |    | Start                  | End           |
| Item   | Encroachments           |              |    | 39.174301 °            | 39.174301 °   |
|  |                         |              |    | -121.940811 °          | -121.940811 ° |
| DWR ID   | DWR_NA0016_01_f_2016_97 |              |    |                        |               |
| Comment Code   |                         |              |    |                        |               |
| PI : Pipe  |                         |              |    |                        |               |
| Inspector Comment  |                         |              |    |                        |               |
| PVC irrigation pipe a few inches below the crown. Irrigates landscape on waterside if the levee. |                         |              |    |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_97\_20170417\_00328.jpg



Additional view of pipe riser on landside slope near levee crown, and pipe running through levee toe in background. Spring 2017.

|          |              |              |    |            |                  |
|----------|--------------|--------------|----|------------|------------------|
| LM Start | <b>43.05</b> | Rating **    | U  | Issue No.  | <b>97 (cont)</b> |
| LM End   | <b>43.05</b> | Issue Type + | En | Location * | CR               |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_97\_20170320\_00047.jpg



View of pipe riser on landside slope near the crown of the levee. Fall 2016 inspection.

|   |  |   |  |   |  |  |  |
|---|--|---|--|---|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|---|--|---|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                         |              |    |                        |               |
|-------------------|-------------------------|--------------|----|------------------------|---------------|
| LM Start          | 43.24                   | Rating **    | M  | Issue No.              | 46            |
| LM End            | 43.24                   | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee           |              |    | GPS Latitude/Longitude |               |
|                   |                         |              |    | Start                  | End           |
| Item              | Encroachments           |              |    | 39.176429 °            | 39.176429 °   |
|                   |                         |              |    | -121.942889 °          | -121.942889 ° |
| DWR ID            | DWR_NA0016_01_s_2012_46 |              |    |                        |               |
| Comment Code      |                         |              |    |                        |               |
| FE : Fence        |                         |              |    |                        |               |
| Inspector Comment |                         |              |    |                        |               |
|                   |                         |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_46\_20170320\_00030.jpg



A solid fence along the toe of the levee. Photo taken spring 2012.

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 43.26                    | Rating **    | C  | Issue No.              | 224           |
| LM End  | 43.26                    | Issue Type + | Ma | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Animal Control           |              |    | 39.176631 °            | 39.176631 °   |
|   |                          |              |    | -121.943146 °          | -121.943146 ° |
| DWR ID  | DWR_NA0016_01_s_2016_224 |              |    |                        |               |
| Comment Code  |                          |              |    |                        |               |
| A2 : Repair the levee slope damaged by livestock and prevent large animal access. |                          |              |    |                        |               |
| Inspector Comment   |                          |              |    |                        |               |
| Slope damaged due to grazing.   |                          |              |    |                        |               |

No Photos

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 43.53                    | Rating **    | M  | Issue No.              | 190           |
| LM End   | 44.63                    | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 39.179664 °            | 39.192478 °   |
|  |                          |              |    | -121.946279 °          | -121.943941 ° |
| DWR ID   | DWR_NA0016_01_s_2017_190 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 43.53                      | Rating **    | M  | Issue No.              | 191           |
| LM End   | 44.89                      | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.179665 °            | 39.195852 °   |
|  |                            |              |    | -121.946279 °          | -121.945545 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_191 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|   |                            |              |    |                        |               |
|---|----------------------------|--------------|----|------------------------|---------------|
| LM Start                                | 44.87                      | Rating **    | U  | Issue No.              | 228           |
| LM End                                  | 45.23                      | Issue Type + | Ob | Location *             | LS            |
| Category                                | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|   |                            |              |    | Start                  | End           |
| Item                                    | Seepage / Sandboils        |              |    | 39.195595 °            | 39.193890 °   |
|   |                            |              |    | -121.945408 °          | -121.950276 ° |
| DWR ID                                  | DWR_NA0016_01_s _ 2016_228 |              |    |                        |               |
| Comment Code                            |                            |              |    |                        |               |
|   |                            |              |    |                        |               |
| Inspector Comment                       |                            |              |    |                        |               |
| Seepage site is being monitored by LMA. |                            |              |    |                        |               |
|   |                            |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_228\_20170320\_00111.jpg



View of the seepage on the landward side of the levee looking upstream. Spring 2016.

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 44.90                      | Rating **    | M  | Issue No.              | 192           |
| LM End   | 47.01                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.195916 °            | 39.188580 °   |
|  |                            |              |    | -121.945615 °          | -121.979355 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_192 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                  |                          |              |     |                        |               |
|----------------------------------|--------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 45.39                    | Rating **    | A/W | Issue No.              | 108           |
| LM End                           | 45.90                    | Issue Type + | Ob  | Location *             | WS            |
| Category                         | Earthen Levee            |              |     | GPS Latitude/Longitude |               |
|                                  |                          |              |     | Start                  | End           |
| Item                             | Vegetation               |              |     | 39.192653 °            | 39.188518 °   |
|                                  |                          |              |     | -121.952768 °          | -121.960446 ° |
| DWR ID                           | DWR_NA0016_01_s_2015_108 |              |     |                        |               |
| Comment Code                     |                          |              |     |                        |               |
| V8 : Environmental Requirements. |                          |              |     |                        |               |
| Inspector Comment                |                          |              |     |                        |               |
|                                  |                          |              |     |                        |               |

Photo 1 of 2 : SP\_2017\_NA0016\_435\_108\_20170320\_00054.jpg



View of the revegetation site on the waterward side of the levee looking upstream. Spring 2016.

|          |              |              |     |            |                   |
|----------|--------------|--------------|-----|------------|-------------------|
| LM Start | <b>45.39</b> | Rating **    | A/W | Issue No.  | <b>108 (cont)</b> |
| LM End   | <b>45.90</b> | Issue Type + | Ob  | Location * | WS                |

Photo 2 of 2 : SP\_2017\_NA0016\_435\_108\_20170320\_00055.jpg



Sign stating revegetation site. Spring 2016.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 45.66                    | Rating **    | M  | Issue No.              | 193           |
| LM End   | 47.01                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 39.190837 °            | 39.188579 °   |
|  |                          |              |    | -121.957320 °          | -121.979353 ° |
| DWR ID   | DWR_NA0016_01_s_2017_193 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 45.90                    | Rating **    | M  | Issue No.              | 105           |
| LM End            | 45.90                    | Issue Type + | En | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Encroachments            |              |    | 39.188469 °            | 39.188469 °   |
|                   |                          |              |    | -121.960428 °          | -121.960428 ° |
| DWR ID            | DWR_NA0016_01_f_2016_105 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
| TR : Tree or limb |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_105\_20170320\_00053.jpg



View of debris within 10 feet of landside toe. Fall 2016 inspection.

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 46.01                    | Rating **    | M  | Issue No.              | 109           |
| LM End   | 46.01                    | Issue Type + | En | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Encroachments            |              |    | 39.187479 °            | 39.187479 °   |
|  |                          |              |    | -121.962081 °          | -121.962081 ° |
| DWR ID   | DWR_NA0016_01_s_2015_109 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| PI : Pipe  |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
| The siphon filter is fixed. There is no external leak on the levee from the pipe, however there are vegetation growing in line with the pipe. Update 3/16/2016: Seems some maintenance was done on pipe. Vegetation on top of pipe is removed. |                          |              |    |                        |               |

Photo 1 of 7 : SP\_2017\_NA0016\_435\_109\_20170320\_00056.jpg



View of the siphon breaker on the shoulder of the waterward side of the levee looking upstream. Spring 2015.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>46.01</b> | Rating **    | M  | Issue No.  | <b>109 (cont)</b> |
| LM End   | <b>46.01</b> | Issue Type + | En | Location * | WS                |

Photo 2 of 7 : SP\_2017\_NA0016\_435\_109\_20170320\_00057.jpg



Vegetation is aligned where the pipe is on the waterward side of the levee. Fall 2015.

|   |  |   |  |   |  |  |  |
|---|--|---|--|---|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|---|--|---|--|--|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |  |
|--|--------------------------|--------------|----|------------------------|---------------|--|
| LM Start   | 46.01                    | Rating **    | M  | Issue No.              | 109 (cont)    |  |
| LM End   | 46.01                    | Issue Type + | En | Location *             | WS            |  |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |  |
|  |                          |              |    | Start                  | End           |  |
| Item   | Encroachments            |              |    | 39.187479 °            | 39.187479 °   |  |
|  |                          |              |    | -121.962081 °          | -121.962081 ° |  |
| DWR ID   | DWR_NA0016_01_s_2015_109 |              |    |                        |               |  |
| Comment Code   |                          |              |    |                        |               |  |
| PI : Pipe  |                          |              |    |                        |               |  |
| Inspector Comment  |                          |              |    |                        |               |  |
| The siphon filter is fixed. There is no external leak on the levee from the pipe, however there are vegetation growing in line with the pipe. Update 3/16/2016: Seems some maintenance was done on pipe. Vegetation on top of pipe is removed. |                          |              |    |                        |               |  |

Photo 3 of 7 : SP\_2017\_NA0016\_435\_109\_20170320\_00058.jpg



Perspective view of the vegetation where the pipe runs through the levee on the waterward side of the levee looking upstream. Fall 2015.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>46.01</b> | Rating **    | M  | Issue No.  | <b>109 (cont)</b> |
| LM End   | <b>46.01</b> | Issue Type + | En | Location * | WS                |

Photo 4 of 7 : SP\_2017\_NA0016\_435\_109\_20170320\_00059.jpg



Non-vegetated seems to align with the pipe. Spring 2016.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>46.01</b> | Rating **    | M  | Issue No.  | <b>109 (cont)</b> |
| LM End   | <b>46.01</b> | Issue Type + | En | Location * | WS                |

Photo 5 of 7 : SP\_2017\_NA0016\_435\_109\_20170320\_00060.jpg



Perspective view of the non-vegetated area where the pipe seems to run through the levee looking downstream. Spring 2016.

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| * Location<br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | ** Rating<br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | + Issue Type<br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|---|--|--|--|--|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |            |               |
|--|--------------------------|--------------|----|------------------------|------------|---------------|
| LM Start   | 46.01                    | Rating **    | M  | Issue No.              | 109 (cont) |               |
| LM End   | 46.01                    | Issue Type + | En | Location *             | WS         |               |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |            |               |
|  |                          |              |    | Start                  |            | End           |
| Item   | Encroachments            |              |    | 39.187479 °            |            | 39.187479 °   |
|  |                          |              |    | -121.962081 °          |            | -121.962081 ° |
| DWR ID   | DWR_NA0016_01_s_2015_109 |              |    |                        |            |               |
| Comment Code   |                          |              |    |                        |            |               |
| PI : Pipe  |                          |              |    |                        |            |               |
| Inspector Comment  |                          |              |    |                        |            |               |
| The siphon filter is fixed. There is no external leak on the levee from the pipe, however there are vegetation growing in line with the pipe. Update 3/16/2016: Seems some maintenance was done on pipe. Vegetation on top of pipe is removed. |                          |              |    |                        |            |               |

Photo 6 of 7 : SP\_2017\_NA0016\_435\_109\_20170320\_00061.jpg



Pipe seems to be capped off at the toe of the levee on the waterward side of the levee. Spring 2016.

|          |              |              |    |            |                   |
|----------|--------------|--------------|----|------------|-------------------|
| LM Start | <b>46.01</b> | Rating **    | M  | Issue No.  | <b>109 (cont)</b> |
| LM End   | <b>46.01</b> | Issue Type + | En | Location * | WS                |

Photo 7 of 7 : SP\_2017\_NA0016\_435\_109\_20170417\_00329.jpg



Additional view of pipe cap at waterside levee toe. Spring 2017.

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|





**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |  |
|---|----------------------|--------------|----|------------------------|---------------|--|
| LM Start  | 46.01                | Rating **    | M  | Issue No.              | 1608 (cont)   |  |
| LM End  | 46.01                | Issue Type + | En | Location *             | WS            |  |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |  |
|   |                      |              |    | Start                  | End           |  |
| Item  | DWR UCIP Field Study |              |    | 39.187497 °            | 39.187497 °   |  |
|   |                      |              |    | -121.962074 °          | -121.962074 ° |  |
| DWR ID  |                      |              |    |                        |               |  |
| Comment Code  |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
|   |                      |              |    |                        |               |  |
| Inspector Comment   |                      |              |    |                        |               |  |
| FS_ID:46812<br>DS_ID:20314<br>EP_NO: 15763<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Fresno valve on WS shoulder is broken. Pipe appears to be abandoned. Need to abandon properly if necessary. site visit on 10/09/2015 indicates water is present somewhere along the waterside levee slope. Possibly siphon breaker or fresno valve sprays and drains down levee slope from WS shoulder. internal inspection of pipe recommended to determine source of leak. Pipe is active, but can be removed and capped when not in use.<br>FIELD_STRUCT_DESC: 4-inch galvanized steel irrigation pipe through levee 2.0 feet below crown. Irrigation valve approx. 50 feet landward of the landward levee toe. Fresno valve on WS shoulder with connection for pump at WS berm. (Permit No. 15763, 1992).<br>FS Date: 3/22/2013 |                      |              |    |                        |               |  |

Photo 3 of 3 : UCIP\_SP\_2017\_46812\_17907.jpg



Electrical box at WS berm for portable pump.

|  |  |   |   |
|--|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|          |                      |              |    |                        |               |
|----------|----------------------|--------------|----|------------------------|---------------|
| LM Start | 46.35                | Rating **    | U  | Issue No.              | 1609          |
| LM End   | 46.35                | Issue Type + | En | Location *             | WS            |
| Category | Supplemental         |              |    | GPS Latitude/Longitude |               |
|          |                      |              |    | Start                  | End           |
| Item     | DWR UCIP Field Study |              |    | 39.186111 °            | 39.186111 °   |
|          |                      |              |    | -121.968069 °          | -121.968069 ° |
| DWR ID   |                      |              |    |                        |               |

**Comment Code**

**Inspector Comment**

FS\_ID:50044  
DS\_ID:20296  
EP\_NO: 5551  
Repair Type: Urgent  
Crossing Status: Found  
UCIP Comments: 09/23/2016 - A second pipe is visible adjacent to the intake pipe. According to the permit drawings, this pipe is an access pipe for a submersible pump used to clean the fish screen by backwashing. hole on LS shoulder of the levee and Moon Bend Rd. has been patched. No additional road damage is visible. (T. Hatch/UCIP)

09/01/2016 no visible changes from previous inspection. - (T. Hatch/UCIP) 10/09/2015 Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe. (T. Hatch/UCIP)  
FIELD\_STRUCT\_DESC: 18-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump mounted on a piling structure on the waterside (WS) bank. A switch box is located on the WS shoulder and a siphon breaker is in a 30-inch corrugated metal riser on the landside (LS) shoulder. Pipe discharges into a concrete box at the toe of the LS slope (Permit issued under ABO No. 9349, 1974 - Davis). Pump and pump platform replaced under Permit No. 5551, 1968 - Davis. Fish screen installed under permit No. 17222, 2000- A&L Rental and Leasing . [Additional Reference(s): DWR Levee Logs, 2006].  
FS Date: 9/23/2016

Photo 1 of 3 : UCIP\_SP\_2017\_50044\_74722.jpg



Recent pavement repair showing levee slumping. Photo taken from WS looking upstream along Moon Bend Rd

| * Location                                      | ** Rating   | + Issue Type   |
|---|---|--|
| LS : Land Side<br>WS : Water Side<br>CR : Crown | A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable                      | Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
| N/A : Not Applicable                            | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 46.35                | Rating **    | U  | Issue No.              | 1609 (cont)   |
| LM End  | 46.35                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.186111 °            | 39.186111 °   |
|   |                      |              |    | -121.968069 °          | -121.968069 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| <p>FS_ID:50044<br/>DS_ID:20296<br/>EP_NO: 5551<br/>Repair Type: Urgent<br/>Crossing Status: Found<br/>UCIP Comments: 09/23/2016 - A second pipe is visible adjacent to the intake pipe. According to the permit drawings, this pipe is an access pipe for a submersible pump used to clean the fish screen by backwashing. hole on LS shoulder of the levee and Moon Bend Rd. has been patched. No additional road damage is visible. (T. Hatch/UCIP)</p> <p>09/01/2016 no visible changes from previous inspection. - (T. Hatch/UCIP) 10/09/2015 Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe. (T. Hatch/UCIP)</p> <p>FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump mounted on a piling structure on the waterside (WS) bank. A switch box is located on the WS shoulder and a siphon breaker is in a 30-inch corrugated metal riser on the landside (LS) shoulder. Pipe discharges into a concrete box at the toe of the LS slope (Permit issued under ABO No. 9349, 1974 - Davis). Pump and pump platform replaced under Permit No. 5551, 1968 - Davis. Fish screen installed under permit No. 17222, 2000- A&amp;L Rental and Leasing . [Additional Reference(s): DWR Levee Logs, 2006].<br/>FS Date: 9/23/2016</p> |                      |              |    |                        |               |

Photo 2 of 3 : UCIP\_SP\_2017\_50044\_74723.jpg



Siphon Breaker in 20-inch CMP riser on LS Shoulder. Photo taken from LS looking DS along Moon Bend Rd

|                 |                      |                          |   |                                   |  |
|-----------------|----------------------|--------------------------|---|-----------------------------------|--|
| * Location      |                      | ** Rating                |   | + Issue Type                      |  |
| LS : Land Side  | N/A : Not Applicable | A : Acceptable           | N : Not Inspected/Rated                 | Ma : Maintenance Deficiency       |  |
| WS : Water Side |                      | M : Minimally Acceptable | C : Corrected                           | Ob : Design & System Obsolescence |  |
| CR : Crown      |                      | U : Unacceptable         | A/W : Acceptable but Monitor & Maintain | En : Enforcement                  |  |



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 46.35                | Rating **    | U  | Issue No.              | 1609 (cont)   |
| LM End   | 46.35                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.186111 °            | 39.186111 °   |
|  |                      |              |    | -121.968069 °          | -121.968069 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:50044<br>DS_ID:20296<br>EP_NO: 5551<br>Repair Type: Urgent<br>Crossing Status: Found<br>UCIP Comments: 09/23/2016 - A second pipe is visible adjacent to the intake pipe. According to the permit drawings, this pipe is an access pipe for a submersible pump used to clean the fish screen by backwashing. hole on LS shoulder of the levee and Moon Bend Rd. has been patched. No additional road damage is visible. (T. Hatch/UCIP)<br><br>09/01/2016 no visible changes from previous inspection. - (T. Hatch/UCIP) 10/09/2015 Possible sink hole along alignment 10-feet LS of siphon breaker on LS slope. Recent road repair along the approximate pipe alignment suggests that levee slumping is related to pipe. It is recommended that further investigation e.g. video inspection or other internal method may help determine if the issue is due to pipe or due to levee settlement in vicinity of the pipe. (T. Hatch/UCIP)<br>FIELD_STRUCT_DESC: 18-inch steel irrigation pipe through the levee, 3 feet below the crown. Pump mounted on a piling structure on the waterside (WS) bank. A switch box is located on the WS shoulder and a siphon breaker is in a 30-inch corrugated metal riser on the landside (LS) shoulder. Pipe discharges into a concrete box at the toe of the LS slope (Permit issued under ABO No. 9349, 1974 - Davis). Pump and pump platform replaced under Permit No. 5551, 1968 - Davis. Fish screen installed under permit No. 17222, 2000- A&L Rental and Leasing . [Additional Reference(s): DWR Levee Logs, 2006].<br>FS Date: 9/23/2016 |                      |              |    |                        |               |

Photo 3 of 3 : UCIP\_SP\_2017\_50044\_74724.jpg



hole in recent pavement repair and LS shoulder along approximate pipe alignment. Photo taken from LS looking toward WS. Pumping plant visible on WS Berm

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                   |                            |              |    |                        |               |
|-------------------|----------------------------|--------------|----|------------------------|---------------|
| LM Start          | 46.97                      | Rating **    | M  | Issue No.              | 194           |
| LM End            | 46.97                      | Issue Type + | Ma | Location *             | WS            |
| Category          | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|                   |                            |              |    | Start                  | End           |
| Item              | Encroachments              |              |    | 39.188198 °            | 39.188198 °   |
|                   |                            |              |    | -121.978758 °          | -121.978758 ° |
| DWR ID            | DWR_NA0016_01_s _ 2017_194 |              |    |                        |               |
| Comment Code      |                            |              |    |                        |               |
| TR : Tree or limb |                            |              |    |                        |               |
| Inspector Comment |                            |              |    |                        |               |
|                   |                            |              |    |                        |               |

No Photos

|  |                           |              |    |                        |               |
|--|---------------------------|--------------|----|------------------------|---------------|
| LM Start   | 47.01                     | Rating **    | M  | Issue No.              | 54            |
| LM End   | 47.14                     | Issue Type + | En | Location *             | LS            |
| Category   | Earthen Levee             |              |    | GPS Latitude/Longitude |               |
|  |                           |              |    | Start                  | End           |
| Item   | Vegetation                |              |    | 39.188544 °            | 39.189733 °   |
|  |                           |              |    | -121.979272 °          | -121.981232 ° |
| DWR ID   | DWR_NA0016_01_s _ 2012_54 |              |    |                        |               |
| Comment Code   |                           |              |    |                        |               |
| V6 : Landscaping   |                           |              |    |                        |               |
| Inspector Comment  |                           |              |    |                        |               |
| Cactus on slope and toe of levee, landscape continues along roadway with fence and stairs. |                           |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_54\_20170320\_00031.jpg



View of the revegetation on the landward side of the levee looking upstream. Spring 2016.

|  |                            |              |    |                        |               |
|--|----------------------------|--------------|----|------------------------|---------------|
| LM Start   | 47.16                      | Rating **    | M  | Issue No.              | 195           |
| LM End   | 49.58                      | Issue Type + | Ma | Location *             | LS            |
| Category   | Earthen Levee              |              |    | GPS Latitude/Longitude |               |
|  |                            |              |    | Start                  | End           |
| Item   | Vegetation                 |              |    | 39.189816 °            | 39.213649 °   |
|  |                            |              |    | -121.981525 °          | -121.999883 ° |
| DWR ID   | DWR_NA0016_01_s _ 2017_195 |              |    |                        |               |
| Comment Code   |                            |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                            |              |    |                        |               |
| Inspector Comment  |                            |              |    |                        |               |
|  |                            |              |    |                        |               |

No Photos

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|---|--|---|--|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                          |              |    |                        |               |
|--|--------------------------|--------------|----|------------------------|---------------|
| LM Start   | 47.16                    | Rating **    | M  | Issue No.              | 196           |
| LM End   | 49.58                    | Issue Type + | Ma | Location *             | WS            |
| Category   | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|  |                          |              |    | Start                  | End           |
| Item   | Vegetation               |              |    | 39.189816 °            | 39.213650 °   |
|  |                          |              |    | -121.981525 °          | -121.999883 ° |
| DWR ID   | DWR_NA0016_01_s_2017_196 |              |    |                        |               |
| Comment Code   |                          |              |    |                        |               |
| V1 : Control annual grass and weeds on the levee slopes and easements. |                          |              |    |                        |               |
| Inspector Comment  |                          |              |    |                        |               |
|  |                          |              |    |                        |               |

No Photos

|   |                      |              |    |                        |               |
|---|----------------------|--------------|----|------------------------|---------------|
| LM Start  | 47.16                | Rating **    | M  | Issue No.              | 1610          |
| LM End  | 47.16                | Issue Type + | En | Location *             | WS            |
| Category  | Supplemental         |              |    | GPS Latitude/Longitude |               |
|   |                      |              |    | Start                  | End           |
| Item  | DWR UCIP Field Study |              |    | 39.189783 °            | 39.189783 °   |
|   |                      |              |    | -121.981548 °          | -121.981548 ° |
| DWR ID  |                      |              |    |                        |               |
| Comment Code  |                      |              |    |                        |               |
|   |                      |              |    |                        |               |
| Inspector Comment   |                      |              |    |                        |               |
| FS_ID:10553   |                      |              |    |                        |               |
| DS_ID:20298   |                      |              |    |                        |               |
| EP_NO: 9347   |                      |              |    |                        |               |
| Repair Type: Non-Urgent   |                      |              |    |                        |               |
| Crossing Status: Indicator Found  |                      |              |    |                        |               |
| UCIP Comments: Need to verify type of abandonment.  |                      |              |    |                        |               |
| FIELD_STRUCT_DESC: 1 of 2: 24-inch pipe through levee 25.5 feet below crown. 14-inch pipe sleeved through this pipe. Annular space grouted. Pump in pump house on the landward side. Gate valve in pump house (ABO No. 9347, 1960). Originally included in the 1960 O&M manual. |                      |              |    |                        |               |
| FS Date: 3/22/2013  |                      |              |    |                        |               |

Photo 1 of 1 : UCIP\_SP\_2017\_10553\_17929.jpg



Possible location for pipe crossing.

|  |   |   |
|--|---|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable<br>N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|---|---|

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|                                  |                           |              |     |                        |               |
|----------------------------------|---------------------------|--------------|-----|------------------------|---------------|
| LM Start                         | 47.19                     | Rating **    | A/W | Issue No.              | 90            |
| LM End                           | 47.62                     | Issue Type + | Ob  | Location *             | WS            |
| Category                         | Earthen Levee             |              |     | GPS Latitude/Longitude |               |
|                                  |                           |              |     | Start                  | End           |
| Item                             | Vegetation                |              |     | 39.189930 °            | 39.193491 °   |
|                                  |                           |              |     | -121.982143 °          | -121.988184 ° |
| DWR ID                           | DWR_NA0016_01_s _ 2014_90 |              |     |                        |               |
| Comment Code                     |                           |              |     |                        |               |
| V8 : Environmental Requirements. |                           |              |     |                        |               |
| Inspector Comment                |                           |              |     |                        |               |
|                                  |                           |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_90\_20170320\_00042.jpg



A revegetation site along the waterside berm. Spring 2014

|                   |                          |              |    |                        |               |
|-------------------|--------------------------|--------------|----|------------------------|---------------|
| LM Start          | 47.28                    | Rating **    | U  | Issue No.              | 198           |
| LM End            | 47.77                    | Issue Type + | Ob | Location *             | LS            |
| Category          | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|                   |                          |              |    | Start                  | End           |
| Item              | Seepage / Sandboils      |              |    | 39.190236 °            | 39.195674 °   |
|                   |                          |              |    | -121.983776 °          | -121.989102 ° |
| DWR ID            | DWR_NA0016_01_s_2017_198 |              |    |                        |               |
| Comment Code      |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |
| Inspector Comment |                          |              |    |                        |               |
|                   |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_198\_20170417\_00330.jpg



Historical seepage location at landside levee toe. Spring 2017.

|   |                                  |              |     |                        |               |
|---|----------------------------------|--------------|-----|------------------------|---------------|
| LM Start  | 47.62                            | Rating **    | A/W | Issue No.              | 3             |
| LM End  | 47.77                            | Issue Type + | Ma  | Location *             | WS            |
| Category  | Supplemental                     |              |     | GPS Latitude/Longitude |               |
|   |                                  |              |     | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |     | 39.193769 °            | 39.195595 °   |
|   |                                  |              |     | -121.987901 °          | -121.988621 ° |
| DWR ID  | DWR_NA0016_01_s_2016_3           |              |     |                        |               |
| Comment Code  |                                  |              |     |                        |               |
|   |                                  |              |     |                        |               |
| Inspector Comment   |                                  |              |     |                        |               |
| 2010 - Old cobble site starting to unravel at toe. 2011 - Cobbles continue to unravel. 2013 - Site extended downstream to revetment. 2015: No observed changes. [2015 Site ID: SAC_141-5_R] |                                  |              |     |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_3\_20170320\_00003.jpg



USACE 2013 Photo #1

|  |  |  |  |   |  |   |  |
|--|--|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|--|--|--|--|---|--|---|--|



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |               |
|--|----------------------|--------------|----|------------------------|---------------|
| LM Start   | 47.71                | Rating **    | M  | Issue No.              | 1611          |
| LM End   | 47.71                | Issue Type + | En | Location *             | WS            |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |               |
|  |                      |              |    | Start                  | End           |
| Item   | DWR UCIP Field Study |              |    | 39.194772 °            | 39.194772 °   |
|  |                      |              |    | -121.988886 °          | -121.988886 ° |
| DWR ID   |                      |              |    |                        |               |
| Comment Code   |                      |              |    |                        |               |
|  |                      |              |    |                        |               |
| Inspector Comment  |                      |              |    |                        |               |
| FS_ID:10563<br>DS_ID:20309<br>EP_NO: 9347<br>Repair Type: Non-Urgent<br>Crossing Status: Indicator Found<br>UCIP Comments: Need to determine type of abandonment.<br>FIELD_STRUCT_DESC: 2 of 2: *Removed*16-inch steel pipe through levee 17.3 feet below crown. Gate valve on the waterward end. Pump on the waterward bank. Switch box on the waterward shoulder. (ABO No. 9347,1960). Originally included in the 1960 O&M manual.<br>FS Date: 3/22/2013 |                      |              |    |                        |               |

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>47.71</b> | Rating **    | M  | Issue No.  | <b>1611 (cont)</b> |
| LM End   | <b>47.71</b> | Issue Type + | En | Location * | WS                 |

Photo 1 of 2 : UCIP\_SP\_2017\_10563\_17941.jpg



Concrete pump house debris on WS berm.

Photo 2 of 2 : UCIP\_SP\_2017\_10563\_17940.jpg



JP on WS shoulder for removed pump switch house.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |                        |               |            |             |
|--|----------------------|------------------------|---------------|------------|-------------|
| LM Start   | <b>48.38</b>         | Rating **              | M             | Issue No.  | <b>1612</b> |
| LM End   | <b>48.38</b>         | Issue Type +           | En            | Location * | WS          |
| Category   | Supplemental         | GPS Latitude/Longitude |               |            |             |
|  |                      | Start                  | End           |            |             |
| Item   | DWR UCIP Field Study | 39.203761 °            | 39.203761 °   |            |             |
|  |                      | -121.985220 °          | -121.985220 ° |            |             |
| DWR ID   |                      |                        |               |            |             |
| Comment Code   |                      |                        |               |            |             |
| Inspector Comment  |                      |                        |               |            |             |
| FS_ID:10566<br>DS_ID:20300<br>EP_NO: 9343<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe appears to be abandoned. Need to verify type of abandonment.<br>FIELD_STRUCT_DESC: 2 of 2: 24-inch pipe through levee 15.5 feet below crown (pipe measures 12-inch on LS toe). Slant pump on steel piling structure on the waterward bank. Butterfly valve at toe of the landward slope. Overhead power line crosses the levee. (ABO No. 9343, 1960) Originally included in the 1960 O&M manual.<br>FS Date: 3/22/2013 |                      |                        |               |            |             |

Photo 1 of 3 : UCIP\_SP\_2017\_10566\_17954.jpg



Siphon Breaker in 30-inch CMP riser on LS shoulder and butterfly valve at LS toe.

|          |              |              |    |            |                    |
|----------|--------------|--------------|----|------------|--------------------|
| LM Start | <b>48.38</b> | Rating **    | M  | Issue No.  | <b>1612 (cont)</b> |
| LM End   | <b>48.38</b> | Issue Type + | En | Location * | WS                 |

Photo 2 of 3 : UCIP\_SP\_2017\_10566\_17953.jpg



Pump covered in brush on WS berm.

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable<br>M : Minimally Acceptable<br>U : Unacceptable  |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |  |
|  |  | N : Not Inspected/Rated<br>C : Corrected<br>A/W : Acceptable but Monitor & Maintain |  |   |  |

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|  |                      |              |    |                        |             |               |
|--|----------------------|--------------|----|------------------------|-------------|---------------|
| LM Start   | 48.38                | Rating **    | M  | Issue No.              | 1612 (cont) |               |
| LM End   | 48.38                | Issue Type + | En | Location *             | WS          |               |
| Category   | Supplemental         |              |    | GPS Latitude/Longitude |             |               |
|  |                      |              |    | Start                  |             | End           |
| Item   | DWR UCIP Field Study |              |    | 39.203761 °            |             | 39.203761 °   |
|  |                      |              |    | -121.985220 °          |             | -121.985220 ° |
| DWR ID   |                      |              |    |                        |             |               |
| Comment Code   |                      |              |    |                        |             |               |
|  |                      |              |    |                        |             |               |
| Inspector Comment  |                      |              |    |                        |             |               |
| FS_ID:10566<br>DS_ID:20300<br>EP_NO: 9343<br>Repair Type: Non-Urgent<br>Crossing Status: Found<br>UCIP Comments: Pipe appears to be abandoned. Need to verify type of abandonment.<br>FIELD_STRUCT_DESC: 2 of 2: 24-inch pipe through levee 15.5 feet below crown (pipe measures 12-inch on LS toe). Slant pump on steel piling structure on the waterward bank. Butterfly valve at toe of the landward slope. Overhead power line crosses the levee. (ABO No. 9343, 1960) Originally included in the 1960 O&M manual.<br>FS Date: 3/22/2013 |                      |              |    |                        |             |               |

Photo 3 of 3 : UCIP\_SP\_2017\_10566\_17952.jpg



Pump on structure covered in brush on WS berm.

|   |                          |              |    |                        |               |
|---|--------------------------|--------------|----|------------------------|---------------|
| LM Start  | 48.58                    | Rating **    | M  | Issue No.              | 199           |
| LM End  | 49.58                    | Issue Type + | En | Location *             | LS            |
| Category  | Earthen Levee            |              |    | GPS Latitude/Longitude |               |
|   |                          |              |    | Start                  | End           |
| Item  | Encroachments            |              |    | 39.206495 °            | 39.213650 °   |
|   |                          |              |    | -121.984426 °          | -121.999883 ° |
| DWR ID  | DWR_NA0016_01_s_2017_199 |              |    |                        |               |
| Comment Code                                    |                          |              |    |                        |               |
| FE : Fence                                      |                          |              |    |                        |               |
| Inspector Comment                               |                          |              |    |                        |               |
| Fence along landside levee toe blocking access. |                          |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_199\_20170417\_00331.jpg



Fence along landside levee toe blocking access. Spring 2017.

\* Location  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

\*\* Rating  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

+ Issue Type  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2017**

**Sacramento River West Side Levee District**

| Waterway                     | Bank  | Unit Miles | Inspection Start/End     | Inspector   |
|------------------------------|-------|------------|--------------------------|-------------|
| Unit No. 01 Sacramento River | Right | 49.64      | 03/21/2017<br>03/22/2017 | Zach Jojola |

|   |                                  |              |    |                        |               |
|---|----------------------------------|--------------|----|------------------------|---------------|
| LM Start  | 49.46                            | Rating **    | M  | Issue No.              | 19            |
| LM End  | 49.57                            | Issue Type + | Ma | Location *             | WS            |
| Category  | Supplemental                     |              |    | GPS Latitude/Longitude |               |
|   |                                  |              |    | Start                  | End           |
| Item  | 2015 USACE Erosion Survey, DRAFT |              |    | 39.213608 °            | 39.213869 °   |
|   |                                  |              |    | -121.997543 °          | -121.999641 ° |
| DWR ID  | DWR_NA0016_01_s_2016_19          |              |    |                        |               |
| Comment Code  |                                  |              |    |                        |               |
|   |                                  |              |    |                        |               |
| Inspector Comment   |                                  |              |    |                        |               |
| 2011 - Multiple scallops, one tree pop out. Old cobble site starting to unravel at midbank. 2012 - Mid bank slumping continues to worsen but cobble at the toe appears stable. 2015: No observed changes. [2015 Site ID: SAC_143-5_R] |                                  |              |    |                        |               |

Photo 1 of 1 : SP\_2017\_NA0016\_435\_19\_20170320\_00018.jpg



USACE 2013 Photo #1

|  |  |   |  |   |
|--|--|---|--|---|
| <b>* Location</b><br>LS : Land Side    N/A : Not Applicable<br>WS : Water Side<br>CR : Crown |  | <b>** Rating</b><br>A : Acceptable                      N : Not Inspected/Rated<br>M : Minimally Acceptable        C : Corrected<br>U : Unacceptable                  A/W : Acceptable but Monitor & Maintain |  | <b>+ Issue Type</b><br>Ma : Maintenance Deficiency<br>Ob : Design & System Obsolescence<br>En : Enforcement |
|--|--|---|--|---|